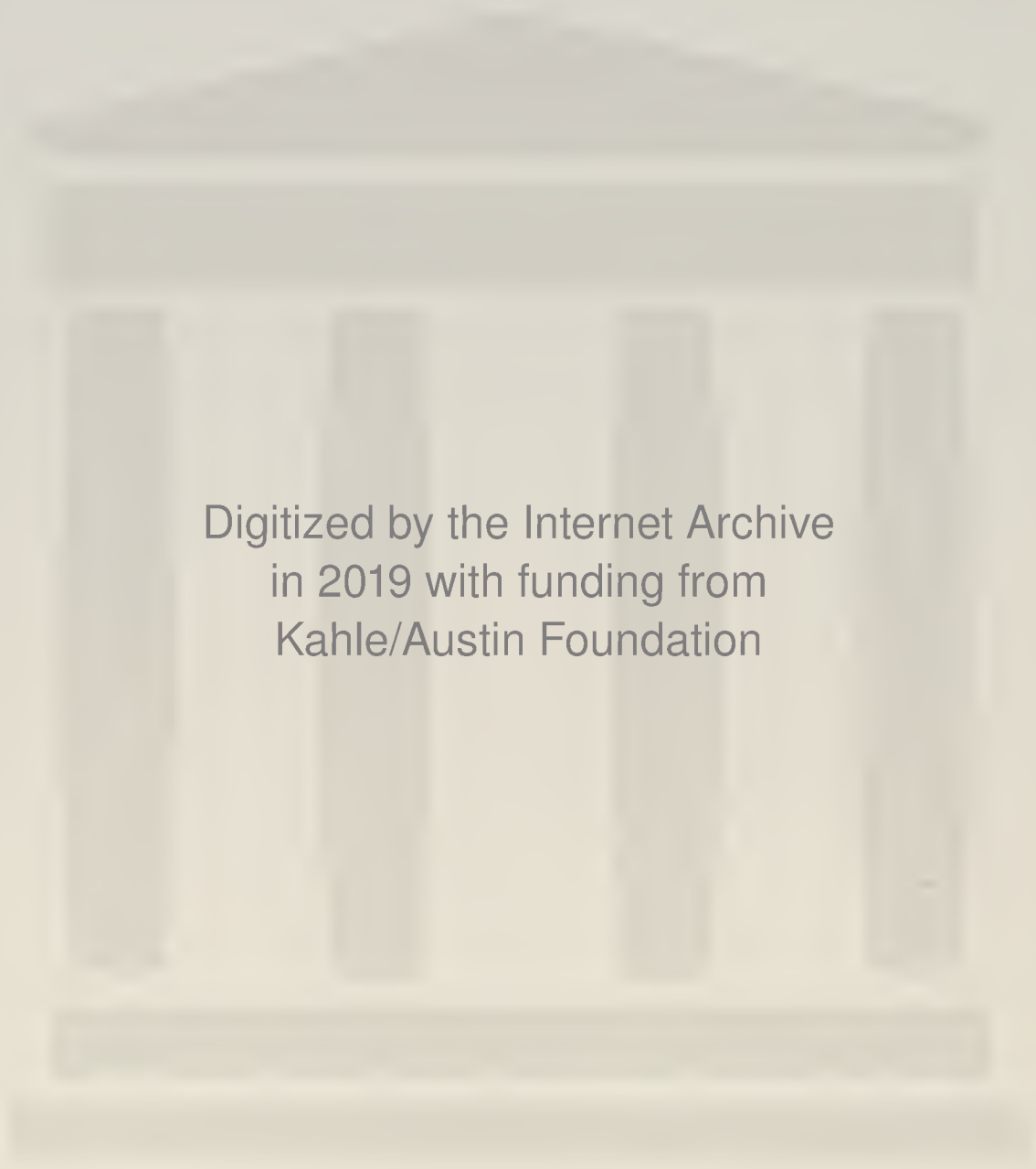


Q

Science



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2004



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Q

Science²⁾



Library of Congress Classification : Q : Science⁴
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PREFACE

The first edition of Class Q, Science, was published in 1905. Subsequent editions appeared in 1913, 1921, 1948, 1950, 1973, 1989, and 1996. This 2004 edition cumulates changes that have been made since the 1996 edition was published.

Classification numbers or spans of numbers that appear in parentheses are formerly valid numbers that are now obsolete. Numbers or spans that appear in angle brackets are optional numbers that have never been used at the Library of Congress but are provided for other libraries that wish to use them. In most cases, a parenthesized or angle-bracketed number is accompanied by a “see” reference directing the user to the actual number that the Library of Congress currently uses, or a note explaining Library of Congress practice.

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<<http://www.loc.gov/cds/>>.

New or revised numbers and captions are added to the L.C. Classification schedules as a result of development proposals made by the cataloging staff of the Library of Congress and cooperating institutions. Upon approval of these proposals by the weekly editorial meeting of the Cataloging Policy and Support Office, new classification records are created or existing records are revised in the master classification database. Weekly lists of newly approved or revised classification numbers and captions are posted on the World Wide Web at:

<<http://lcweb.loc.gov/catdir/cpso/cpso.html#class>>.

The Classification Editorial team, consisting of Barry Bellinger, Kent Griffiths, Nancy Jones, and Dorothy Thomas, assistant editors, is responsible for creating new classification records, maintaining the master database, and creating index terms for the captions.

Barbara B. Tillett, Chief
Cataloging Policy and Support Office

January 2004

OUTLINE

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Astronomy **QB**

Physics **QC**

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Natural History (General) • Biology (General) **QH**

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Human Anatomy **QM**

Physiology **QP**

Microbiology **QR**

Q1-Chemical Elements • Q2-Particles and Rays • Q3-Geographic Subarrangement

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 - 11.5 Computer network resources
 - Including the Internet
 - 12 Addresses, essays, lectures
 - By region or country
 - United States
 - 13 General works
 - 13.5.A-Z By region or state, A-Z
 - Subarrange each state by Table Q7
 - 14.A-Z Other regions or countries, A-Z
 - Subarrange each country by Table Q7
 - Special teaching methods and aids
 - 16 General works
 - Audiovisual aids
 - 18 General works, treatises, and textbooks
 - 19.A-Z Special types, A-Z
 - 19.A78 Art
 - 19.B55 Blocks (Toys)
 - 19.B8 Bulletin boards
 - 19.C45 Charts, diagrams, etc.
 - 19.C8 Cuisenaire rods
 - 19.M34 Manipulatives
 - 19.M6 Motion pictures
 - 19.O9 Overhead projectors

- Study and teaching. Research
- Special teaching methods and aids
 - Audiovisual aids
 - Special types, A-Z -- Continued
 - Paper work
 - Including folding, cutting, etc.
 - Television
 - Other methods, A-Z
 - Calculators
 - Computer-assisted instruction
 - Including computer-based experiments
 - Electronic spreadsheets
 - Games
 - Magic tricks
 - Portfolios
 - Programmed instruction
 - For programmed texts, see QA36.5+ QA101+
 - Project method
- Awards, prizes, etc. Competitions
- History
- General
 - Ancient
 - Medieval
 - Modern
 - General see QA21
 - 16th-18th centuries
 - 19th-20th centuries
 - By region or country, A-Z
- Women in mathematics. Women mathematicians
- For biography see QA28+
- Biography
- Collective
 - Individual, A-Z
 - e.g.
 - Gauss
 - Jacobi
 - Napier
- Directories
- Early works through 1800
- Egyptian
 - Greek
 - Including translations and commentaries
 - For Euclid's Elements as school textbooks see QA451
 - Medieval
 - 1501-1700
 - 1701-1800

- General works
- 36 Comprehensive treatises
- Textbooks
- 36.5 Series of textbooks
- Advanced
- 37 1801-1969
- 37.2 1970-2000
- 37.3 2001-
- Intermediate (without calculus)
- 39 1801-1969
- 39.2 1970-2000
- 39.3 2001-
- Elementary see QA101+
- 40 Handbooks, manuals, etc.
- Popular works see QA93
- 40.5 Juvenile works
- 41 Formulas, notation, abbreviations
- 41.3 Nomenclature, terminology
- Communication of mathematical information
- 41.4 General works
- 41.5 Information services
- 41.6 Computer network resources
- Including the Internet
- 41.7 Mathematical literature
- 42 Language. Authorship
- 43 Problems, exercises, examinations
- Tables
- Cf. QA281 Interpolation. Extrapolation
- 47 General tables
- 49 Multiplication tables
- Including squares and cubes, square roots and cube roots, reciprocals
- 51 Factor tables
- Logarithms. Tables of mathematical functions
- Including trigonometric, hyperbolic, etc.
- 55 General works
- 59 Theory and use of logarithms
- 63 Problem solving
- Instruments and machines
- Including practical mathematics, graphical and numerical calculating
- 71 General works, treatises, and textbooks
- 73 Slide rules
- 74 Computation laboratories
- Calculating machines
- For works on the use of calculators in mathematic instruction see QA20.C34

Instruments and machines

Calculating machines -- Continued

75

General works

Electronic computers. Computer science

Including electronic data processing and computer systems

For applications in special fields, see the field, e.g. QD39.3.E46, Electronic data processing in chemistry

Cf. QA267+ Machine theory

Cf. TK7885+ Computer engineering

75.5

Periodicals, societies, congresses, serial publications

76

General works, treatises, and textbooks

76.15

Dictionaries and encyclopedias

Communication of computer science information

76.16

General works

76.162

Information services

76.165

Language. Authorship

76.167

Philosophy

76.17

History

Biography

76.2.A2

Collective

76.2.A3-Z

Individual, A-Z

76.215

Directories

76.23

Juvenile works

76.24

Addresses, essays, lectures

76.25

Computer science as a profession. Vocational guidance

Study and teaching. Research

76.27

General works

76.28

Problems, exercises, examinations

76.3

Certification of electronic data processing personnel

76.33

Computer camps

Laboratories

76.35

General works

76.36.A-Z

Individual laboratories, A-Z

76.38

Hybrid computers

76.4

Analog computers

Digital computers

76.5

General works

76.52

Juvenile works

76.525

Microcomputer workstations

76.527

Network computers

76.53

Time-sharing data processing

Real-time data processing

QA

- Instruments and machines
 - Calculating machines
 - Electronic computers. Computer science
 - Digital computers
 - Real-time data processing -- Continued
 - 76.54 General works
 - 76.545 Transaction systems
 - Online data processing
 - Including general online information services and general videotex systems
 - 76.55 General works
 - 76.57.A-Z Special systems, A-Z
 - 76.57.A43 America Online
 - 76.57.A77 AT&T WorldNet
 - 76.57.C65 CompuServe
 - 76.57.D44 DELPHI
 - 76.57.E88 eWorld (Online service)
 - 76.57.G45 GENie (Videotex system)
 - 76.57.G48 GNN
 - 76.57.M52 Microsoft Network
 - 76.57.M55 Minitel
 - 76.57.P75 Prodigy (Online service)
 - 76.57.P77 ProfNet
 - 76.57.S68 SOURCE (Videotex system)
 - 76.57.T44 TÉLÉTEL (Videotex system)
 - 76.57.U43 UMI Online (Videotex system)
 - 76.575 Multimedia systems
 - Cf. QA76.76.I59 Interactive multimedia
 - 76.58 Parallel processing. Parallel computers
 - 76.59 Mobile computing
 - 76.5915 Ubiquitous computing
 - 76.592 Wearable computers
 - Programming
 - For computer programs and other software see QA76.75+
- 76.6 General works
- 76.612 Constraint programming
- 76.615 Declarative programming
- 76.618 Evolutionary programming
- 76.62 Functional programming
 - Including functional programming languages
- 76.623 Genetic programming
- 76.624 Generative programming
- 76.6245 Generic programming
- 76.625 Internet programming. Intranet programming
- 76.63 Logic programming

Instruments and machines

Calculating machines

Electronic computers. Computer science

Digital computers

Programming -- Continued

76.635

Microprogramming

76.64

Object-oriented programming

Including OPEN method

76.642

Parallel programming

76.65

Visual programming

76.66

Systems programming

Programming languages

76.7

General works

76.73.A-Z

Individual languages, A-Z

e.g.

76.73.A24

ALGOL

76.73.A27

APL

76.73.B3

BASIC

76.73.C25

COBOL

76.73.D25

DRL

76.73.F25

FORTRAN

76.73.P25

PL/1

76.73.P67

PostScript

Class here works on designing or writing compilers for PostScript

For works on using PostScript to control the page appearance of paper documents, see Z52.5 or Z250.8.P68

76.73.Z2

Z

Computer software

For individual programs, see the type of program, e.g. QA76.76.T49 Text editors

For application programs, see the field, e.g. HF5548.4.L67 Lotus 1-2-3

76.75

Periodicals. Societies. Serials

76.751

Congresses

76.752

Dictionaries

76.753

Catalogs

76.754

General works

76.755

Handbooks, tables, etc.

76.756

Addresses, essays, lectures

76.758

Software engineering

Including software reengineering

76.76.A-Z

Special topics, A-Z

76.76.A63

Application program interfaces

76.76.A65

Application software

QA

Instruments and machines

Calculating machines

Electronic computers. Computer science

Computer software

Special topics, A-Z -- Continued

- 76.76.A87 Assemblers
- 76.76.C47 Certification of software
- 76.76.C54 Children's software
- 76.76.C64 Compatibility of software
- 76.76.C65 Compilers
- 76.76.C66 Component software
- 76.76.C672 Computer games
 - Class here works on programming computer games
 - For general works on computer games as well as works on specific computer games and actual software see GV1469.15+
- 76.76.C68 Computer viruses
- 76.76.C69 Configuration management
- 76.76.C73 Costs
- 76.76.D47 Development
- 76.76.D49 Device drivers
 - Including individual device drivers
- 76.76.D63 Documentation of software
- 76.76.E93 Evaluation of software
- 76.76.E95 Expert systems
- 76.76.F34 Failures of software
- 76.76.G46 Generators
- 76.76.H85 Human factors
- (76.76.H92) Hypermedia systems
 - see QA76.76.I59
- 76.76.H94 Hypertext systems
 - Including hypertext document markup languages, e. g. HTML (Document markup language), etc.
- 76.76.I55 Install programs
- 76.76.I57 Integrated software
- 76.76.I58 Intelligent agents
- 76.76.I59 Interactive media. Hypermedia
 - Cf. QA76.575 Multimedia systems
- 76.76.M52 Measurement, Software see QA76.76.S65
- 76.76.M54 Microsoft .NET
- Middleware
 - Including object monitors
- 76.76.O63 Operating systems
 - Including DOS, UNIX, OS/2, etc.

Instruments and machines

Calculating machines

Electronic computers. Computer science

Computer software

Special topics, A-Z -- Continued

- 76.76.P37 Patterns, Software
- 76.76.P74 Productivity
- 76.76.P76 Protection of software
- 76.76.Q35 Quality control
- 76.76.R42 Refactoring of software
- 76.76.R44 Reliability
- 76.76.R47 Reusability
- 76.76.S37 Screen savers
- 76.76.S375 Self-adaptive software
- 76.76.S46 Shareware
- 76.76.S64 Software failures see QA76.76.F34
- 76.76.S65 Software maintenance
Including Year 2000 date conversion
- 76.76.S66 Software measurement
- 76.76.S67 Software support
- 76.76.S73 Standards for software
- 76.76.S95 Systems software
- 76.76.T45 Teleprocessing monitors
- 76.76.T48 Testing of software
- 76.76.T49 Text editors
For works on how to use text editors to
produce paper documents, see Z52,
Z253.3+, or Z253.53+
- 76.76.T55 Threads
- 76.76.T83 Translators
- 76.76.U84 Utilities
- 76.76.V47 Verification and validation of software
- 76.76.W56 Viruses see QA76.76.C68
- 76.76.W56 Windows
Year 2000 date conversion see QA76.76.S64
- 76.765 Firm-ware
- 76.8.A-Z Special computers, computer systems, and
microprocessors. By name, A-Z
e.g.
- 76.8.I12 IBM 360
- 76.8.U6 Univac
- 76.8.U7 Ural
- 76.84 Fourth generation computers
- 76.85 Fifth generation computers
- 76.87 Neural computers. Neural networks
- 76.875 Immunocomputers

Instruments and machines

Calculating machines

Electronic computers. Computer science --
Continued

- 76.88 Supercomputers. High performance computing
Including heterogeneous computing
- 76.885 Petaflops computers
- 76.887 Molecular computers. DNA computers
- 76.889 Quantum computers
- 76.89 Pen-based computers
- 76.9.A-Z Other topics, A-Z
- 76.9.A23 Abstract data types
- 76.9.A25 Access control. Computer security
Cf. HF5548.37 Security measures in
electronic data processing departments
- 76.9.A3 Adaptive computing
- 76.9.A43 Algorithms
- 76.9.A73 Architecture, Computer
- 76.9.A93 Auditing
Class here works on the auditing of
electronic data processing systems and
activities
For works dealing with the auditing of
electronic data processing departments
see HF5548.35
- 76.9.A955 Automatic hypothesis formation
- 76.9.A96 Automatic theorem proving
- 76.9.B22 B method
- 76.9.B32 Backup processing
- 76.9.B38 Batch processing
- 76.9.B84 Bulletin boards
- Camps, Computer see QA76.33
- Children and computers see QA76.9.C659
- Civilization and computers see QA76.9.C66
- 76.9.C55 Client/server computing
- 76.9.C58 Computational grids
- Computer algorithms see QA76.9.A43
- Computer architecture see QA76.9.A73
- 76.9.C62 Computer arithmetic
- Computer camps see QA76.33
- 76.9.C63 Computer capacity
- 76.9.C64 Computer literacy
- Computer logic see QA76.9.L63
- Computer mathematics see QA76.9.M35
- 76.9.C643 Computer organization

Instruments and machines

Calculating machines

Electronic computers. Computer science

Other topics, A-Z -- Continued

- 76.9.C65 Computer simulation
Cf. T57.62+ Industrial engineering
Cf. TA343 Engineering mathematics
- 76.9.C659 Computer system failures see QA76.9.F34
Computers and children
Cf. LC38 Computer-assisted domestic education
- 76.9.C66 Computers and civilization. Social aspects of computers
Computers and family see QA76.9.F35
Computers and women see QA76.9.W65
- 76.9.C67 Constraint databases
Conversion of computer files see QA76.9.F48
- 76.9.C68 Conversion of computer systems
- 76.9.C72 Cookies (Computer science)
- 76.9.D26 Database design
- 76.9.D3 Database management
Cf. QA76.9.D37 Data warehousing
- 76.9.D314 Database security
- 76.9.D32 Databases
Including online databases
Cf. QA76.9.W43 Web databases
- 76.9.D33 Data compression
- 76.9.D337 Data entry
- 76.9.D34 Data marts
- 76.9.D343 Data mining
Including OLAP technology
- 76.9.D345 Data preparation
- 76.9.D348 Data recovery
- 76.9.D35 Data structures
Cf. QA76.9.C72 Cookies (Computer science)
- 76.9.D37 Data warehousing
- 76.9.D43 Debugging in computer science
Including structured walkthrough
- 76.9.D5 Distributed processing
- 76.9.D6 Documentation
Cf. QA76.76.D63 Software documentation
- 76.9.E25 Economic aspects
- 76.9.E53 End-user computing
- 76.9.E57 Entertainment computing
- 76.9.E77 Error messages
- 76.9.E94 Ethical aspects see QA76.9.M65
Evaluation of computer performance

QA

Instruments and machines

Calculating machines

Electronic computers. Computer science

Other topics, A-Z -- Continued

- 76.9.E95 Evaluation of data processing activities
Expert systems see QA76.76.E95
- 76.9.F34 Failures of computer systems
Cf. QA76.76.F34 Software failures
- 76.9.F35 Computers and family
- 76.9.F38 Fault-tolerant computing
- 76.9.F48 File conversion
- 76.9.F5 File organization
- 76.9.F53 File processing
- 76.9.F67 Formal methods
- 76.9.G37 Garbage collection
- 76.9.G68 Government policy
- Granular computing see QA76.9.S63
- Graphical user interfaces see QA76.9.U83
- Grids, Computational see QA76.9.C58
- 76.9.H35 Hard disk management
- 76.9.H36 Hashing
- 76.9.H85 Human-computer interaction
- 76.9.I52 Information visualization
- 76.9.I55 Input design
- 76.9.I58 Interactive computer systems
- 76.9.K48 Keyboarding
Class here works on keyboarding computer
formats, such as punched cards or
punched tape
For works on keyboarding eye-readable
reports and displays see Z49+
- 76.9.L63 Logic, Computer
- 76.9.M3 Management
- 76.9.M35 Mathematics, Computer
- 76.9.M45 Memory management
- 76.9.M65 Moral and ethical aspects
- 76.9.M68 Multilingual computing
- 76.9.N38 Natural language processing
Cf. P98+ Linguistics
- 76.9.N47 Netcentric computing
- 76.9.O35 Object-oriented methods
Cf. QA76.64 Object-oriented programming
- OLAP technology see QA76.9.D343
- Online databases see QA76.9.D32
- Organization, Computer see QA76.9.C643
- 76.9.P75 Psychological aspects
- 76.9.Q4 Question-answering systems

Instruments and machines

Calculating machines

Electronic computers. Computer science

Other topics, A-Z -- Continued

Religious aspects see BL255.5

Remote job entry

Security, Computer see QA76.9.A25

Security, Data base see QA76.9.D314

Self-stabilization

Social aspects of computers see QA76.9.C66

Soft computing

Including granular computing

Software maintenance see QA76.76.S64

Standards

Cf. QA76.76.S73 Standards for software

Structured techniques

Structured walkthrough see QA76.9.D43

System design

System failures see QA76.9.F34

Systems migration

Technical support

Cf. QA76.76.S66 Software support

Text processing

Transborder data flow

User interfaces

Including graphical user interfaces

Virtual computer systems

Visualization, Information see QA76.9.I52

Web databases

Computers and women

Use of electronic computers in mathematics

For works on the use of calculators in

mathematics instruction see QA20.C34

For works on computer-assisted instruction

in mathematics see QA20.C65

Miscellaneous geometrical instruments

Cf. T375+ Drawing instruments

General works

Planimeter

Mechanical aids in higher analysis

General works

Graphic methods (General). Nomography

Popular works

Mathematical recreations

Miscellany and curiosa

76.9.R45

76.9.S54

76.9.S63

76.9.S8

76.9.S84

76.9.S88

76.9.S9

76.9.T43

76.9.T48

76.9.T7

76.9.U83

76.9.V5

76.9.W43

76.9.W65

76.95

77

81

85

90

93

95

99

QA

- Elementary mathematics. Arithmetic
 Including basic mathematical concepts for the elementary grades
 Cf. QA248+ Foundations of arithmetic
- Textbooks
- 101 Through 1845
- 103 1846-1900
- 106 1901-1960
- 107 1961-2000
- 107.2 2001-
- 109 Special aspects of the subject as a whole
- 111 Rapid calculators and short cuts
- 113 Counting
 Class here works dealing with counting, including counting books and other forms of materials
 For works dealing with numeration, the concept of numbers, and numeration systems see QA141+
- 115 Elementary operations
 e.g. addition, subtraction, multiplication, division
- 117 Fractions
 Including proportion, ratio
- 119 Roots
 Including square root, cube root
- Study and teaching
 Cf. LC4621 Education of mentally handicapped children
- General works, treatises, and textbooks
- 135 Through 1960
- 135.5 1961-2000
- 135.6 2001-
- 137 Teaching fractions
- 139 Problems, exercises, examinations
- Numeration, number concept, numeration systems
 Cf. QA241+ Theory of numbers
 Cf. QA297+ Numerical analysis
- 141 General works, treatises, and textbooks
- 141.15 Number concept (Elementary)
 Cf. BF456.N7 Numbers. Mathematics (Psychology)
- 141.2 History
 Cf. GN476.15 Primitive numeration
 Cf. P211+ History of writing
- 141.3 Juvenile works

Elementary mathematics. Arithmetic
 Numeration, number concept, numeration systems

-- Continued

141.35

Decimal system

Class here expository and historical works
 on the decimal system

For tables, arithmetic, and other works with
 values expressed mainly in the decimal
 system, see the special class numbers
 that are provided for particular fields,
 e. g. QA101 Arithmetic. For tables,
 arithmetic, etc., for other special
 systems, see QA141.4+

141.4

Binary system

Duodecimal system

141.5.A1

Periodicals, societies, congresses, serial
 publications

141.5.A2-Z

General works, treatises, and textbooks

141.6

Octal system

141.8.A-Z

Other special systems, A-Z

141.8.Q5

Quinary system

141.8.S4

Sexadecimal system

141.8.S5

Sexagesimal system

141.8.T45

Ternary system

(145)

Algebra and arithmetic

see QA101+

Algebra

150

Periodicals, societies, congresses, serial
 publications

151

History

Textbooks

Elementary

152

Through 1970

152.2

1971-2000

152.3

2001-

Advanced

154

Through 1970

154.2

1971-2000

154.3

2001-

154.8

Early works to 1800

155

General works and treatises

Including higher algebra

155.2

Addresses, essays, lectures

155.5

Special aspects of the subject as a whole

155.7.A-Z

Special topics, A-Z

155.7.E4

Electronic data processing

157

Problems, exercises, examinations

QA

Algebra -- Continued

- Study and teaching. Research
- 159 General works
- 159.2 Outlines, syllabi, etc.
- 161.A-Z Miscellaneous elementary topics, A-Z
- 161.B48 Binomial coefficients
- 161.B5 Binomial theorem
- 161.E95 Exponents
- 161.F3 Factors
- Logarithms see QA59
- 161.P59 Polynomials
- 162 Abstract algebra
 - Cf. QA10.3 Boolean algebra
- Combinatorics. Combinatorial analysis
- 164 General works
- 164.8 Enumeration problems. Generating functions
 - Cf. QA353.G44 Special functions
- 164.9 Identities
- 165 Permutations. Combinations. Partitions
 - Including magic squares and magic cubes
- Graph theory
 - Cf. QA612.18 Map-coloring problem
- 166 General works
- 166.14 Bipartite graphs
- 166.15 Directed graphs
- 166.16 Perfect graphs
- 166.17 Random graphs
- 166.175 Fuzzy graphs
- 166.18 Hamiltonian graph theory
- 166.185 Intersection graph theory
- 166.19 Eulerian graph theory
- 166.195 Topological graph theory
- 166.197 Graph labelings
 - Including magic labelings
- 166.2 Trees
- 166.22 Paths and cycles
- 166.23 Hypergraphs
- 166.24 Reconstruction
- 166.242 Representations of graphs
- 166.245 Graph algorithms
- Design and configurations
- 166.25 General works
- 166.3 Block designs
- 166.4 Hadamard matrices
- 166.6 Matroids. Greedoids
- 166.7 Packing and covering
- 166.75 Polyominoes

Algebra

Combinatorics. Combinatorial analysis
Design and configurations -- Continued

166.8

Tessellation and tiling

Combinatorial geometry

167

General works

167.2

Finite geometries

169

Homological algebra

Including functors, categories

(171)

Group theory

see QA174+

Ordered sets

171.48

General works

171.485

Partially ordered sets

171.49

Semilattices

171.5

Lattice theory

Cf. QD921+ Crystal lattices

Ordered algebraic structures

172

General works

172.4

Ordered groups

Group theory

Cf. QA172.4 Ordered groups

Cf. QA385+ Continuous groups

Cf. QA387 Topological groups. Lie groups

Cf. QA613.7 Topological transformation groups

Cf. QA614.97 Pseudogroups and deformations of
structures

Cf. QC174.17.G7 Quantum theory

Cf. QD455.3.G75 Physical chemistry

174

Periodicals, societies, congresses, serial
publications

174.2

General works

174.5

Juvenile works

Study and teaching. Research

174.6

General works

174.62.A-Z

Special topics, A-Z

174.62.C65

Computer-assisted instruction

174.7.A-Z

Special topics, A-Z

174.7.D36

Data processing

175

Permutation groups

176

Representations of groups

177

Finite groups

178

Infinite groups

179

Linear algebraic groups

180

Abelian groups

181

Groupoids

182

Semigroups

Algebra

- Group theory -- Continued
- 182.5 Combinatorial group theory
- 183 Geometric group theory
- Linear and multilinear algebra. Matrices
 - Cf. QA243 Bilinear forms
 - General works, treatises, and textbooks
 - 184 To 2000
 - 184.2 2001-
 - 184.5 Problems, exercises, examinations
 - 185.A-Z Special topics, A-Z
 - 185.C65 Computer-assisted instruction
 - 185.D37 Data processing
 - 186 Vector spaces
 - 187 Linear dependence
 - Matrices
 - 188 General works
 - 191 Determinants
 - 192 Elimination
 - 193 Eigenvalues and eigenvectors
 - 196 Quaternions
 - 197 Triangularization
 - 199 Clifford algebras
 - 199.5 Multilinear algebra. Tensor products
 - Vector and tensor algebra
 - Cf. QA433 Vector and tensor analysis
 - 200 General works
 - 201 Invariants
 - 205 Exterior algebra. Ausdehnungslehre
 - Theory of equations
 - 211 General works, treatises, and textbooks
 - 212 Roots. Symmetric functions
 - Cf. QA119 Elementary mathematics
 - 214 General resolution of equations
 - Including simultaneous equations
 - 215 Cubic, biquadratic, and other particular equations
 - 218 Numerical solutions
 - 219 Graphic algebra
 - Approximation theory
 - Cf. QA297+ Numerical analysis
 - 221 General works
 - 223 Radial basis functions
 - 224 Spline theory
 - Number theory
 - 241 General works, treatises, and textbooks
 - 241.5 Geometry of numbers

Algebra

Number theory -- Continued

241.7
242

Probabilistic number theory
Divisibility. Linear congruences.
Factorization. Quadratic residues.
Diophantine analysis

Arithmetical algebraic geometry

242.5
242.6
243

General works
Arakelov theory

Forms

Including quadratic, bilinear forms

244
245

Higher congruences, residues. Fermat's theorem
Cyclotomy. Application of functions to
arithmetic

246

Distribution of primes. Special numerical
functions, etc.

246.5

Sequences of integers

Exponential and character sums

246.7

General works

246.8.A-Z

Special sums, A-Z

246.8.G38

Gaussian

246.8.K58

Kloosterman

246.8.T75

Trigonometric

Algebraic fields. Algebraic numbers

247

General works

Modular fields. Finite fields

247.3

General works

247.35

Modular arithmetic

247.4

Differential and difference algebra

247.45

Division algebras

247.5

Transcendental numbers. Irrational numbers

Foundations of arithmetic. Set theory.

Transfinite numbers

248

General works

248.3

Elementary textbooks

248.5

Fuzzy sets

Recursive functions. Recursive arithmetic see
QA9.6+

251

Universal algebra

Cf. QA184+ Linear and multilinear algebra

251.3

Commutative rings and algebras

251.38

Local rings

251.4

Noncommutative rings and algebras

251.5

Associative rings and algebras

Nonassociative rings and algebras

252

General works

QA

- Algebra
- Nonassociative rings and algebras -- Continued
- 252.3 Lie algebras. Lie superalgebras
Cf. QA387 Lie groups
- 252.5 Jordan algebras
- 255 Complex numbers
- (263) Matrices
see QA188+
- Machine theory. Abstract machines. Abstract automata
Cf. QA9.6+ Recursive functions
Cf. QA75.5+ Electronic computers
Cf. QA402.3+ Control theory
- 267 General works, treatises, and textbooks
- 267.3 Formal languages
Cf. P98+ Language data processing
- 267.5.A-Z Special types of machines, A-Z
- 267.5.C45 Cellular automata
- 267.5.F89 Fuzzy automata
- 267.5.P7 Probabilistic automata
- 267.5.S4 Sequential machines
- 267.5.T45 Temporal automata
- 267.7 Computational complexity. Kolmogorov complexity
- 268 Coding theory
- 268.5 Switching theory
Cf. QA10.3 Boolean algebra
Cf. TK7868.S9 Switching circuits
- Game theory
- 269 General works
Cf. T57.92 Industrial engineering
- 270 Games of strategy
- 271 Games of chance
- 272 Differential games
- 272.5 Noncooperative games
- Probabilities
Cf. T57.3+ Industrial engineering
Cf. TA340 Engineering mathematics
- 273.A1 Periodicals, societies, congresses, serial publications
- 273.A3 Dictionaries and encyclopedias
- 273.A4 History
- 273.A5-Z General works, treatises, and textbooks
- 273.15 Popular works
- 273.16 Juvenile works
- 273.18 Addresses, essays, lectures
- 273.19.A-Z Special topics, A-Z
- 273.19.E4 Electronic data processing

- Probabilities -- Continued
 Study and teaching. Research
- 273.2 General works
 - 273.25 Problems, exercises, examinations
 - 273.26 Computer-assisted instruction
 - 273.27 Programmed instruction
 - 273.3 Handbooks, tables, formulas, etc.
 - 273.4 Axioms and foundations
 - 273.43 Probability theory on algebraic and topological structures
 - 273.45 Combinatorial probabilities
 - 273.5 Geometric probability. Stochastic geometry.
 Random sets
 - 273.6 Distributions. Characteristic functions
 - 273.67 Limit theorems
 - Stochastic processes
 - Cf. T57.9 Queuing theory
 - Cf. T57.33 Renewal theory
 - Cf. T57.35+ Renewal theory
 - 274.A1 Periodicals, societies, congresses, serial publications
 - 274.A5-Z General works, treatises, and textbooks
 - 274.12 Problems, exercises, etc.
 - 274.13 Axioms and foundations
 - Stochastic analysis
 - 274.2 General works
 - 274.22 Stochastic integrals
 - 274.223 Stochastic inequalities
 - 274.225 Stochastic sequences
 - 274.23 Stochastic differential equations
 - 274.25 Stochastic partial differential equations
 - 274.27 Stochastic integral equations
 - 274.28 Random operators
 - 274.3 Stationary processes
 - 274.4 Gaussian processes
 - 274.42 Point processes
 - 274.45 Random fields
 - 274.46 Random measures
 - 274.5 Martingales. Semimartingales
 - 274.6 Learning models
 - Markov processes. Markov chains
 - 274.7 General works
 - 274.73 Random walks
 - 274.75 Diffusion processes. Brownian motion processes
 - Cf. QC183 Constitution and properties of matter and anti-matter

- Probabilities
 - Stochastic processes
 - Markov processes. Markov chains -- Continued
 - 274.755 Jump processes
 - 274.76 Branching processes
 - 274.8 Queuing theory
 - 274.9 Self-similar processes
 - 275 Theory of errors. Least squares
- Mathematical statistics
 - Including statistical inference and fundamental concepts of statistics
 - For special applications of statistics, see the field of application, e.g. HD1421+
 - Agricultural statistics; LB2841 Educational statistics; TA340 Statistical methods in engineering
 - 276.A1 Periodicals, societies, congresses, serial publications
 - 276.A12 Collected works (nonserial)
 - 276.A2-Z General works
 - 276.12 Elementary texts
 - Including descriptive statistics
 - 276.13 Juvenile works
 - 276.14 Dictionaries and encyclopedias
 - 276.15 History
 - Biography
 - 276.156 Collective
 - 276.157.A-276.Z Individual, A-Z
 - 276.16 Addresses, essays, lectures
 - 276.17 Statistics as a profession. Vocational guidance
 - Study and teaching. Research
 - 276.18 General works
 - 276.19 Outlines, syllabi
 - 276.2 Problems, exercises, examinations
 - 276.22 Computer-assisted instruction
 - 276.25 Handbooks, tables, formulas, etc.
 - Including tables of random numbers
 - 276.3 Graphic methods
 - 276.4 Data processing
 - 276.6 Sampling theory and methods
 - 276.7 Sampling distribution
 - 276.74 Tolerance regions. Confidence intervals
 - 276.8 Estimation theory
 - Testing of hypotheses
 - 277 General works
 - 277.3 Chi-square test
 - Multivariate analysis

- Mathematical statistics
- Multivariate analysis -- Continued
 - 278 General works
 - 278.2 Regression analysis. Correlation analysis
 - 278.3 Path analysis
 - 278.4 Paired and multiple comparisons
 - 278.5 Factor analysis. Principal components analysis. Correspondence analysis
 - 278.6 Latent structure analysis
 - 278.65 Discriminant analysis
 - 278.7 Order statistics
 - 278.75 Ranking and selection
 - 278.8 Nonparametric methods
 - Analysis of variance and covariance.
 - Experimental design
 - 279 General works
 - 279.2 Prediction analysis
 - Decision theory
 - 279.4 General works
 - 279.5 Bayesian statistics
 - 279.6 Fuzzy decision making
 - 279.7 Multistage decision procedures. Sequential analysis
 - 280 Time series analysis
 - 281 Interpolation. Extrapolation
 - Cf. QA47+ Mathematical tables
 - Cf. QA221+ Approximation theory
 - Cf. QA273.A1+ Probabilities. Theory of errors.
 - Least squares
 - Cf. QA297+ Numerical analysis
 - 292 Sequences
 - Cf. QA246.5 Sequences of integers
 - 295 Series
 - Including infinite products and other infinite processes
 - Numerical analysis
 - Cf. QA221+ Approximation theory
 - 297 General works, treatises, and textbooks
 - 297.3 Problems, exercises, etc.

- Numerical analysis -- Continued
- 297.5 Numerical approximation
 For numerical solution to differential equations, including initial value problems and boundary value problems see QA370+
 Cf. QA71+ Instruments and machines
 Cf. QA90 Graphic methods. Nomography
 Cf. QA218 Numerical solutions of algebraic equations
 Cf. QA275 Least squares
 Cf. QA281 Interpolation. Extrapolation
- 297.55 Relaxation methods
- 297.6 Smoothing. Curve fitting
- 297.7 Roundoff errors
- 297.75 Interval analysis
- 297.8 Iterative methods
- 298 Numerical simulation. Monte Carlo method
 Cf. T57.62+ Industrial engineering
- 299 Numerical differentiation
 Numerical integration
- 299.3 General works
- 299.4.A-Z Special formulas, A-Z
- 299.4.C83 Cubature formulas
- 299.4.G3 Gaussian quadrature formulas
- Analysis
 Including calculus, functional analysis, functions, differential equations
- 299.6 Periodicals, societies, congresses, serial publications
 Foundations
- 299.8 General works
- 299.82 Nonstandard analysis
- 300 General works, treatises, and textbooks
- 300.5 Addresses, essays, lectures
- 301 Problems, exercises, examinations
- 302 Early works through 1800
- Calculus
 Cf. QA431 Calculus of differences
 General works, treatises, and textbooks
- 303 Through 2000
- 303.2 2001-
- 303.3 Study and teaching. Research
- 303.5.A-Z Special topics, A-Z
- 303.5.C65 Computer-assisted instruction
- 303.5.D37 Data processing
 Differential calculus

Analysis

Calculus

Differential calculus -- Continued

304

General works

305

Problems, exercises, examinations

306

Miscellaneous special topics

Integral calculus

308

General works

309

Problems, exercises, examinations

310

Tables of integrals

311

Miscellaneous special topics

Measure and integration

Including Lebesgue integrals

312

General works

312.5

Fuzzy measure theory

313

Ergodic theory

Cf. QA329.2 Linear operators

Cf. QA611.5 Topology

314

Fractional calculus

Calculus of variations

Cf. QA402.3+ Control theory

315

General works

316

Miscellaneous special topics

Functional analysis

319

Periodicals, societies, congresses, serial publications

320

General works

321

Addresses, essays, lectures

321.5

Nonlinear functional analysis

322

Topological linear spaces

322.2

Normed linear spaces. Banach spaces

322.4

Inner product spaces. Hilbert spaces

322.5

Indefinite inner product spaces

323

Function spaces

324

Theory of distributions

325

Measures, integration, derivatives

326

Topological algebras. Banach algebras

Operator theory

329

General works

329.2

Linear operators

Differential operators

329.4

General works

329.42

Partial differential operators

329.6

Integral operators

329.7

Pseudodifferential operators

Nonlinear operators

329.8

General works

QA

- Analysis
- Functional analysis
 - Operator theory
 - Nonlinear operators -- Continued
 - 329.9 Fixed point theory
 - Cf. QA612.24 Fixed points and coincidences
 - Theory of functions
 - 331 General works, treatises, and advanced textbooks
 - 331.3 Elementary textbooks
 - 331.5 Functions of real variables
 - 331.7 Functions of complex variables
 - Riemann surfaces
 - Including multiform, uniform functions
 - 333 General works
 - 335 Fuchsian groups
 - 337 Teichmüller spaces
 - 341 Algebraic functions
 - 342 Logarithmic, circular, and exponential functions
 - 343 Elliptic functions. Elliptic integrals.
 - Modular functions
 - 345 Abelian functions. Theta functions
 - Including hyperelliptic functions
 - Special functions
 - Cf. QA406 Spherical harmonics
 - Cf. QA408 Bessel functions
 - Cf. QA409 Lamé functions
 - 351 General
 - 353.A-Z Other special functions, A-Z
 - 353.A9 Automorphic. Fuchsian
 - 353.C17 C-functions
 - 353.C64 Concave functions
 - 353.E5 Entire functions
 - 353.G3 Fuchsian see QA353.A9
 - 353.G44 Gamma
 - 353.H9 Generating functions
 - Cf. QA164.8 Combinatorial analysis
 - 353.H9 Hypergeometric
 - 353.P4 Periodic functions
 - 353.T7 Transcendental functions
 - 355 Miscellaneous special topics
 - 360 Geometric principles of analysis. Mapping of regions. Conformal representation
 - Cf. QA646 Differential geometry
 - Differential equations
 - 370 Periodicals, societies, congresses, serial publications
 - 371 General works, treatises, and textbooks

Analysis

Differential equations -- Continued

Study and teaching. Research

371.3

General works

371.32

Outlines, syllabi, etc.

371.35

Computer-assisted instruction

371.5.A-Z

Special topics, A-Z

371.5.D37

Data processing

372

Ordinary differential equations (linear and nonlinear)

372.5

Differential-algebraic equations

373

Differential-difference equations

374

Partial differential equations (first order)

377

Partial differential equations (second and higher orders)

377.5

Degenerate differential equations

378

Initial value problems

379

Boundary value problems

380

Bifurcation theory

381

Differential forms and invariants

Cf. QA614.46 Pfaffian systems

Continuous groups (of transformations).

Infinitesimal transformations

385

General works

387

Topological groups. Lie groups

Cf. QA613.7 Topological transformation groups

Cf. QA613.8 Hopf algebras

Cf. QA614.97 Pseudogroups and deformations of structures

Analytical methods used in the solution of physical problems

Including mathematical physics (mathematical theory only)

Cf. QC19.2+ Mathematical physics

Cf. TA329+ Engineering mathematics and engineering analysis

401

General works, treatises, and textbooks

System analysis

Cf. T57.6+ Industrial engineering

Cf. TA168 Systems engineering

402

General works

402.2

Decomposition method

Control theory (General and linear)

Cf. TJ212+ Automatic control

402.3

General works

402.35

Nonlinear control theory

402.37

Stochastic control theory

QA

Analysis

- Analytical methods used in the solution of physical problems -- Continued
- Mathematical optimization. Programming
 - Cf. T57.7+ Industrial engineering
- 402.5 General works
- 402.6 Transportation problems
 - Including assignment and location problems
- Harmonic analysis (General)
 - Including abstract harmonic analysis
- 403 General works
- 403.3 Wavelets
- Fourier analysis
 - 403.5 General works
 - 404 Fourier series
 - 404.5 Orthogonal series. Orthogonal functions and polynomials
- Potential theory. Pluripotential theory
 - Cf. QA825+ Analytic mechanics
- 404.7 General works
- 405 Harmonic functions
- 406 Laplace and Legendre functions (Spherical harmonics)
- 408 Bessel functions (Cylindrical harmonics)
- 409 Lamé functions (Ellipsoidal harmonics)
- 411 Toroidal and other harmonics
- 425 Dirichlet's problem and analogous problems
- 427 Nonlinear theories. Nonlinearity
- 431 Difference equations and functional equations.
 - Integral equations. Calculus of differences
- 432 Operational calculus. Laplace transformation
- 433 Vector and tensor analysis. Spinor analysis.
 - Scalar field theory
- Geometry
 - Cf. QA681 Foundations of geometry
- 440 Periodicals, societies, congresses, serial publications
- 441 Dictionaries and encyclopedias
- 442 Philosophy
- 443 Collected works (nonserial)
- 443.5 History
- 444 Early works through 1800
- 445 General works, treatises, and textbooks
- 445.5 Juvenile works
- 446 Addresses, essays, lectures
- 447 Special aspects of the subject as a whole
- 448.A-Z Special topics, A-Z

Geometry

- 448.D38 Special topics, A-Z -- Continued
Data processing
- Elementary geometry
- 451 Euclid's Elements as textbooks
For Greek texts and translations see QA31
Other textbooks (Plane and solid)
- 453 General works
- 455 Plane
- 457 Solid
- 459 Problems, exercises, examinations
- 460.A-Z Special propositions, A-Z
- 460.P8 Pythagorean theorem
- Study and teaching. Research
- 461 General works, treatises, and textbooks
Special teaching methods and aids
- 462 General works
- 462.2.A-Z Special types, A-Z
- 462.2.C65 Computer-assisted instruction
- 462.2.G34 Games
- 463 Laboratory manuals
- 464 Practical geometry. Geometrical drawing
Cf. QA497 Higher geometrical drawing (Plane)
Cf. QA501+ Descriptive geometry
- 465 Mensuration
- Famous problems
- 466 General works
- 467 Circle squaring
- 468 Trisection of the angle
- 469 Duplication of the cube
- 471 Projective geometry
Cf. QA554 Projective methods (Analytic geometry)
- Modern geometry. Inversions
- 473 General works
- 474 Plane
- 475 Solid
- 477 Affine geometry
- Special topics in plane geometry
- 481 Axioms. Postulates. Logic
Cf. QA681 Foundations of geometry
- 482 Straight lines, angles, triangles, etc.
- 483 Curves
- 484 Circle
- 485 Conics
- 491 Special topics in solid geometry
- 497 Higher geometrical drawing (Plane)

Geometry -- Continued

Descriptive geometry

Cf. T351+ Mechanical drawing

501 General works, treatises, and textbooks

501.5 Problems, exercises, examinations

Parallel projection

502 General works

Orthogonal projection on two planes

503 General works

505 Isometric projection

507 Oblique projection

Central projection

511 General works

515 Perspective

Class here geometrical works only

Cf. NA2710 Architecture

Cf. NC748+ Drawing

Cf. T369 Mechanical drawing

519 Shades and shadows

Class here geometrical works only

Cf. NC755 Drawing

520 Spherical projection

Cf. GA110+ Map projection

521 Miscellaneous special topics

529 Geometry and trigonometry (combined)

Trigonometry

531 General works, treatises, and textbooks

533 Plane

535 Spherical

537 Problems, exercises, examinations

538 Miscellaneous special topics

Analytic geometry

551 General works, treatises, and textbooks

551.5 Data processing

552 Plane. Conic sections

553 Solid

554 Projective methods

555 Problems, exercises, examinations

556 Coordinates

556.5 Equipollence

557 Straight line and circle. Triangle

559 Conics

561 Quadric surfaces

563 Maxima and minima

Algebraic geometry

564 General works, treatises, and textbooks

Higher algebraic curves

Geometry

Algebraic geometry

Higher algebraic curves -- Continued

General works, treatises, and textbooks

Plane curves

Special curves, A-Z

Cubic

Elliptic

Isothermic

Orthogonal

Quartic

Quintic

Smooth affine

Higher algebraic surfaces

General works, treatises, and textbooks

Special surfaces

Including cubic, quartic surfaces

Skew algebraic curves

Including twisted cubics, curves of double curvature

Transformations, correspondences, and general methods for algebraic configurations

Including collineation, correlation

General works, treatises, and textbooks

Cremona transformations. Quadratic transformations

Classification of curves and surfaces.

Groups of points and curves

Applications of transcendental functions to curves and surfaces

Enumerative geometry. Systems of curves and surfaces

Connexes, complexes, congruences. Line geometry

For algebraic configurations in hyperspace
see QA691+

Conformal geometry

Topology

Periodicals, societies, congresses, serial publications

History

General works, treatises, and textbooks

Juvenile works

Addresses, essays, lectures

Study and teaching. Research

General works

Problems, exercises, examinations

565

567

567.2.A-Z

567.2.C82

567.2.E44

567.2.I84

567.2.O76

567.2.Q35

567.2.Q54

567.2.S56

571

573

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611.A1

611.A3

611.A34-Z

611.13

611.15

611.17

611.19

QA

Geometry

Topology -- Continued

- 611.2 Fuzzy topology
- 611.21 Imbeddings
- 611.23 Compactifications. Compact spaces
- 611.234 Realcompactness. Realcompactification.
Realcompact spaces
- 611.24 Proximity spaces
- 611.25 Uniform spaces. Quasi-uniform spaces
- 611.28 Metric spaces
- 611.29 Isometries, contractions, expansions
- 611.3 Other miscellaneous topological spaces
For linear topological spaces see QA322
- 611.35 CW complexes
- 611.5 Topological dynamics
Including those special aspects relating to
ergodic theory
Cf. QA614.8+ Differentiable dynamical systems
- 611.7 Fixed point theorems
Cf. QA329.9 Nonlinear operators
- Algebraic topology. Combinatorial topology
Cf. QA166+ Graph theory
- 612 General works
- Low-dimensional topology
Cf. QA613.2 Manifolds and cell complexes
- 612.14 General works
- 612.18 Map-coloring problem
- 612.19 Four-color problem
Knot theory. Link theory
- 612.2 General works
- 612.23 Braid theory
- 612.24 Fixed points and coincidences
Cf. QA329.9 Fixed point theory
- Homology and cohomology theories
Cf. QA169 Homological algebra
- 612.3 General works
- 612.32 Intersection homology theory
- 612.33 K-theory. KK-theory
- 612.36 Sheaves
- 612.5 Retracts
- Fiber spaces. Fiber bundles. Fiberings
- 612.6 General works
- 612.63 Vector bundles
- Homotopy theory
- 612.7 General works
- 612.72 Homotopy equivalences
- 612.76 Loop spaces

Geometry

Topology

Algebraic topology. Combinatorial topology

Homotopy theory -- Continued

612.77

H-spaces

612.78

Homotopy groups

612.782

Steenrod algebra

612.79

Obstruction theory

612.8

Spectral sequences

Manifolds and cell complexes

Including distance geometry

613

General works

613.2

Topological manifolds

613.4

PL-topology

Differential topology

613.6

General works

613.618

Characteristic classes

613.619

Vector fields

613.62

Foliations

613.64

Differentiable mappings

613.65

Diffeomorphisms

613.658

Surgery. Handlebodies

613.659

Symplectic and contact topology

613.66

Cobordism

613.7

Topological transformation groups

Cf. QA387 Topological groups

613.8

Hopf algebras

Cf. QA387 Topological groups

Global analysis. Analysis on manifolds

614

General works

Differentiable manifolds

614.3

General works

614.4

Jets

614.42

Stratified sets

614.44

Supermanifolds

614.46

Pfaffian systems. Pfaffian problem

Calculus on manifolds

614.5

General works

614.58

Differentiable mappings and singularities.

Catastrophes

614.7

Critical point theory

614.73

Harmonic maps

Differentiable dynamical systems

Cf. QA611.5 Topological dynamics

Cf. QA871 Analytic mechanicals

614.8

General works

614.813

Attractors

QA

Geometry

Topology

Global analysis. Analysis on manifolds

Differentiable dynamical systems -- Continued

614.82

Flows

614.83

Hamiltonian systems

614.833

Nonholonomic dynamical systems

614.835

Random dynamical systems

614.84

Shadowing systems

614.85

Symbolic dynamics

614.86

Fractals

Partial differential equations and
differential operators on manifolds

614.9

General works

614.92

Index theorems

614.95

Spectral geometry

614.97

Pseudogroups and deformations of structures

Cf. QA387 Lie groups

Infinitesimal geometry

615

General works, treatises, and textbooks

Of curves

621

General works

623

Kinematic geometry. Roulettes

624

Curvature

626

Rectification and quadrature

628

Transcendental curves

Of surfaces

631

General works

634

Curvature

636

Areas and volumes

638

Transcendental surfaces

639

Differential geometry of congruences, etc.

Convex geometry

639.5

General works

640

Convex sets and geometric inequalities

640.3

Convex polyhedra. Convex polytopes

640.5

Convexity spaces

Discrete geometry

640.7

General works

640.72

Aperiodic tilings

640.77

Rigidity

Differential geometry

Including general theory of surfaces

641

General works, treatises, and textbooks

642

Problems, exercises, examinations

643

Curves on surfaces

644

Minimal surfaces. Nets of plane curves

Geometry

Differential geometry -- Continued

- 645 Surfaces determined by relations of curvature, etc.
- 646 Conformal and other representations of surfaces
Cf. GA110+ Map projection
Cf. QA360 Mapping of regions, conformal representation
- 648 Deformation of surfaces
- 648.5 Web geometry
- 649 Miscellaneous special topics
- 660 Projective differential geometry
- 665 Symplectic geometry. Contact geometry
Global differential geometry
Cf. QA614+ Global analysis. Analysis on manifolds
- 670 General works
- 671 Global Riemannian geometry
- 672 Integral geometry
- 681 Foundations of geometry
- 685 Non-Euclidean geometry
- 689 Generalized spaces
Hyperspace
- 691 General works
- 699 Popular works. Fiction
Including Flatland, fourth dimension
- Analytic mechanics
Class here mathematical works only
Cf. QC120+ Descriptive and experimental mechanics
Cf. TA349+ Applied mechanics
- 801 Periodicals, societies, congresses, serial publications
- 801.2 Collected works (nonserial)
- 801.5 Dictionaries and encyclopedias
- 801.6 Philosophy
- 802 History
Including general history of mechanics
- 803 Newton's Principia and commentaries
- 804 Early works through 1800
- 805 General works, treatises, and advanced textbooks
- 807 Elementary textbooks
- 807.5 Addresses, essays, lectures
- 808 Special aspects of the subject as a whole
- 808.2 Continuum mechanics
Cf. QC155.7 Fluid dynamics
- 808.5 Relativistic mechanics

- Analytic mechanics -- Continued
- 808.8 Study and teaching
- 809 Problems, exercises, examinations
- 810 Handbooks, tables, formulas, etc.
- Statics
- Cf. TA351 Engineering
- 821 General works, treatises, and textbooks
- 823 Composition and resolution of forces at a point
- Attractions and potential
- Cf. QA404.7+ Potential theory
- Cf. QC570+ Electrostatics
- 825 General works, treatises, and textbooks
- 827 Ellipsoids and other special systems
- 831 Rigid bodies. Forces and couples in three dimensions. Equilibrium
- 835 Chains and flexible surfaces. Catenary
- 839 Geometry of masses. Center of mass. Moments of inertia
- Kinematics
- Including composition of motions and displacements, relative motions, moving axes, theory of screws
- Cf. QA623 Roulettes
- Cf. QC231 Kinematics (Physics)
- Cf. TJ175 Kinematics of machinery
- 841 General works
- 842 Relativistic kinematics
- Dynamics
- Cf. QC133+ Descriptive and experimental mechanics
- Cf. UF820+ Motion of projectiles (Ballistics)
- 843 Periodicals, societies, congresses, serial publications
- 845 General works, treatises, and advanced textbooks
- 846 Elementary textbooks
- Dynamics of a particle
- Cf. QB349+ Celestial mechanics
- Cf. QC174.17.P7 Problem of many bodies (Quantum theory)
- 851 General works, treatises, and textbooks
- 852 Special aspects of the subject as a whole
- Including resistance, friction
- 853 Orbital and constrained motion
- 855 Motion of surfaces
- Rigid dynamics
- 861 General works, treatises, and textbooks
- 862.A-Z Special systems, A-Z

Analytic mechanics

Dynamics

Rigid dynamics

Special systems, A-Z -- Continued

862.G9

Gyroscope

862.P4

Pendulum

862.P5

Pistons

862.P76

Projectiles

862.T7

Top

863

Miscellaneous special topics

Theory of vibrations. Oscillations

Cf. QA935+ Vibrations of elastic bodies

865

General works

867

Harmonic motion

867.5

Nonlinear oscillations

871

General methods in dynamics

Including Lagrange's equations, Hamilton's equations, least action, stability of systems

Mechanics of deformable bodies

Fluid mechanics

Cf. QC120+ Descriptive and experimental mechanics

Cf. TA357+ Applied fluid mechanics

901

General works, treatises, and textbooks

903

Problems, exercises, examinations

Hydrostatics

905

General works, treatises, and textbooks

907

Miscellaneous special topics

Including floating bodies, etc.

Cf. VM761+ Stability of ships

Fluid dynamics. Hydrodynamics

Cf. TC160+ Hydraulics

911

General works, treatises, and textbooks

912

Relativistic fluid dynamics

913

Kinematics of fluids. Irrotational motions

920

Magnetohydrodynamics. Magnetofluid dynamics

Cf. QC717+ Ion flow dynamics

Cf. QC718.5.M36 Plasma physics

Cf. QC809.M3 Cosmic physics

922

Two-phase flow. Multiphase flow

924

Jets and cavities

925

Rotating fluids. Vortex motion

Cf. QB410 Rotating masses of gravitating fluid

QA

- Analytic mechanics
 - Mechanics of deformable bodies
 - Fluid mechanics
 - Fluid dynamics. Hydrodynamics -- Continued
 - 927 Wave propagation in fluids. Theory of wave motion
 - Cf. QC223 Mathematical theory of sound
 - 929 Viscous fluids
 - 929.5 Non-Newtonian fluids
 - Cf. QC189.5.A1+ Rheology
 - 930 Gas dynamics. Aerodynamics
 - Cf. QC120+ Descriptive and experimental mechanics
 - Cf. TL570+ Aeronautics
- Elasticity. Plasticity
 - Cf. QC191 Special properties of matter
 - Cf. TA418+ Mechanical properties of materials
 - 931 General works, treatises, and textbooks
 - 932 Micropolar elasticity
 - 933 Thermoelasticity
 - Cf. TA418.24+ Temperature dependent properties of materials
 - 934 Torsion
 - Vibrations of elastic bodies. Wave propagation in elastic solids
 - 935 General works
 - 937 Impact
 - 939 Surface waves

- Astronomy
- 1 Periodicals, societies, congresses, serial publications
Museums. Exhibitions
- 2.A1 General works
2.A2-Z By region or country, A-Z
Subarrange each country by Table Q5
- 3 Collected works (nonserial)
Observations
Including serial collections issued by individual observatories.
For annual reports see QB82.A+
- 4.A-Z By name of issuing observatory, A-Z
4.9.A-Z By region or country, A-Z
- 6 Star catalogs
Including zone observations, etc.
For catalogs of double stars, multiple stars, binary systems see QB821
For catalogs of variable stars see QB835
Ephemerides
For ephemerides of individual planets, see QB611 QB621 etc.
For ephemerides of planets collectively see QB603.E6
- 7 Early through 1800
1801-
- 8.A-Z Nautical and air (or aeronautical) almanacs.
By country, A-Z
- 9 Other yearbooks
General tables
- 11 Early through 1800
12 1801-
- 14 Dictionaries and encyclopedias
Communication in astronomy
- 14.2 General works
14.25 Information services
14.3 Computer network resources
Including the Internet
- 14.5 Philosophy
- History
- 15 General works
Ancient
- 16 General works
Cf. CE21+ Ancient chronology
Cf. GN799.A8 Astronomy (Prehistoric archaeology)
- 17 Chinese

- History
- Ancient -- Continued
 - 18 Hindu
 - 19 Assyro-Babylonian, etc.
 - Jewish see QB34
 - 20 Egyptian
 - 21 Greek
 - 22 Roman
 - 22.2 Celtic
 - Medieval
 - Including Arabic astronomy
 - 23 General works
 - Astrology
 - 25 History
 - Cf. BF1671 Occult sciences
 - 26 Medieval works
 - Cf. BF1680+ Occult sciences
 - Modern astrology see BF1651+
 - Modern
 - 28 General works
 - 29 Renaissance through 1700
 - 31 18th century
 - 32 19th-20th centuries
 - 33.A-Z By region or country, A-Z
 - 34 Jewish astronomy
 - Maori astronomy see DU423.A85
 - 34.5 Women in astronomy. Women astronomers
 - Biography
 - 35 Collective
 - 36.A-Z Individual, A-Z
 - e.g.
 - 36.B8 Brahe
 - 36.C8 Copernicus
 - 36.G2 Galileo
 - 40 Directories
 - 41 Early works through 1700
 - Cf. GA6 Cosmography
 - Cf. VK551 Navigation (Early works)
 - General works, treatises, and advanced textbooks
 - Cf. QB500 Descriptive astronomy
 - 42 1701-1800
 - 43 1801-1969
 - 43.2 1970-2000
 - 43.3 2001-
 - Popular works
 - 44 Through 1969
 - 44.2 1970-2000

- 44.3 Popular works -- Continued
2001-
- 45 Elementary textbooks
To 2000
- 45.2 2001-
- 46 Juvenile works
Cf. QB63 Stargazers' guides
- 47 Special aspects of the subject as a whole
- 51 Addresses, essays, lectures
- 51.3.A-Z Special topics, A-Z
- 51.3.E43 Electronic data processing
- 51.3.I45 Imaging systems
- 51.3.L53 Light pollution
- Statistical methods see QB149
- 51.5 Astronomy as a profession. Vocational guidance
- 52 Miscellany and curiosa
- 54 Extraterrestrial life
Cf. CB156 Terrestrial, evidence of
interplanetary voyages
- (55) Astronomical myths, legends, and superstitions
see GR625
- Study and teaching. Research
- 61 General works
- 62 Outlines, syllabi
- 62.5 Problems, exercises, examinations
- 62.7 Laboratory manuals
- 63 Stargazers' guides
- 64 Observers' handbooks
Cf. TL796.8 Artificial satellites
- 65 Atlases and charts
- 66 Astronomical globes
Cf. GA12 Manual for globes
- 67 Miscellaneous models
- 68 Pictorial works and atlases
- Planetariums
Including orreries
- 70 General works
- 71.A-Z By region or country, A-Z
Under each country:
.x *General works*
.x2A-.x2Z *Individual planetariums.*
By city, A-Z
- Observatories
Cf. QB479.A2+ Radio observatories
Cf. QB500.267+ Orbiting astronomical
observatories
- 81 General works

- Observatories -- Continued
- 82.A-Z By region or country, A-Z
Under each country:
 .x *General works*
 .x2A-.x2Z *Individual observatories.*
By place, A-Z
Including description,
history, annual
reports, individual
named telescopes, etc.
- 84 Observatory buildings
 Including domes, piers, rising floors, chairs
- Astronomical instruments
 Including description, theory, adjustment
- 84.5 Periodicals, societies, congresses, serial
 publications
- Biography of instrument makers
- 84.7 Collective
- 84.75.A-Z Individual, A-Z
- 85 Early. Astrolabes, etc.
 Including descriptions of early observatories
- Modern
- 85.8 History
- 86 General works, treatises, and textbooks
- 86.4 Catalogs
- Telescopes. Objectives. Mirrors
 Including homemade telescopes, optics,
 accessories
 For individual named telescopes in
 observatories see QB82.A+
 Cf. QB479.2 Radio telescopes
 Cf. QB500.268 Hubble Space Telescope
- 88 General works
- 90 Large astronomical telescopes
- 97 Equatorial mountings. Driving clocks.
 Siderostats. Heliostats. Coelostats
- 101 Meridian instruments
 Including transit circle, zenith telescope,
 visual and photographic
- 103 Extra-meridian instruments
 Including altazimuth, almucantar, transit
 out of meridian, vertical circle
- 105 Portable instruments
 Including transit, solar compass
 Cf. VK583 Sextant

- Astronomical instruments
 - Modern -- Continued
 - 107 Clocks. Chronometers. Chronographs
 - For use of chronograph in ballistics see UF830.C4
 - 111 Eyepieces
 - 113 Micrometers
 - 115 Levels. Artificial horizons. Illumination, etc.
 - 117 Optical interferometers
- Astronomical photography
 - 121 General works
 - 121.5 Equipment and supplies
 - 125 Television in astronomy
 - 126 Video astronomy
- Electronics in astronomy
 - 127 General works
 - Equipment and supplies
 - 127.2 General works
 - 127.4 Charge coupled devices
- 135 Astronomical photometry
- Astronomical spectroscopy see QB465
- 135.5 Aeronautics in astronomy
 - Including balloons, etc.
- 136 Space astronomy
 - Including astronautics in astronomy
- 139 Telegraphic codes for transmission of astronomical data
- Practical and spherical astronomy
 - Cf. QB66 Use of globes
 - Cf. VK551+ Nautical astronomy
- 140 Periodicals, societies, congresses, serial publications
- 143 Dictionaries and encyclopedias
- 144 Early works through 1800
- 145 General works, treatises, and textbooks
- 147 Celestial sphere and coordinates
- 149 Statistical astronomy
- Correction and reduction of observations
 - 151 General works, treatises, and textbooks
 - 153 Personal equation
 - Involving apparatus for its determination
 - 154 Errors of adjustment, etc.
 - Reduction to center of earth
 - Refraction
 - 155 Theory and determination of constant
 - 156 Tables

- Practical and spherical astronomy
- Correction and reduction of observations
 - Reduction to center of earth -- Continued
 - 159 Parallax
 - Correction for movement of earth and equinoxes
 - Including determination of constants by observation
 - 161 General works, treatises, and textbooks
 - 163 Aberration
 - Cf. QC671 Electromagnetic theory
 - 165 Precession and nutation
 - 167 Annual parallax
 - 168 Star reduction (from mean to apparent place)
 - 169 Position of pole
 - 171 Determination of the ecliptic
 - Prediction of eclipses, occultations and transits
 - 175 General works
 - 185 Miscellaneous phenomena at occultations and transits
 - Geodetic astronomy
 - Including determination of geographical positions
 - 201 General works, treatises, and textbooks
 - Observations
 - Cf. QB296.A1+ Observations (Geodesy)
 - 205.A1 Periodicals, societies, congresses, serial publications
 - 205.A2 General works, treatises, and textbooks
 - 205.A3-Z By region or country, A-Z
 - e.g.
 - Mexico
 - 205.M6 General works
 - 205.M7A-.M7Z Local, A-Z
 - United States
 - 205.U4-.U5 General works
 - 205.U6A-.U6Z By region or state, A-Z
 - 205.U7A-.U7Z By city, A-Z
 - 207 Azimuth. Determination of meridian
 - Time
 - For historical chronology, calendar, etc. see CE1+
 - Cf. BD638 Cosmology
 - Cf. BF468 Psychology
 - Cf. GN476.3 Anthropology
 - Cf. QC173.59.T5 Time dilatation
 - 209 General works
 - 209.5 Juvenile works

Practical and spherical astronomy

Time -- Continued

Time service

210.A1 General works, treatises, and textbooks

210.A3-Z By region or country, A-Z

211 Sidereal and solar, and their conversion

213 Methods of finding the time

214 Instruments for measuring the time

Including hourglasses

Cf. TS540+ Watches and clocks

215 Sundials and dialing

216 Sunrise and sunset

217 Equation of time

221 Time signals, etc.

223 Systems and standards

224 Prime meridians

Longitude and latitude

224.5 General works, treatises, and textbooks

224.7.A-Z By region or country, A-Z

Longitude

225 Methods of determination

228 Tables and ephemerides

Observations

229 General works, treatises, and textbooks

229.5.A-Z By region or country, A-Z

Latitude

231 Methods of determination

233 Tables and ephemerides

Observations

235 General works, treatises, and textbooks

235.5.A-Z By region or country, A-Z

237 Variation of latitude

Geodesy

275 Periodicals, societies, congresses, serial publications

279 Dictionaries and encyclopedias

280 Collected works (nonserial)

280.5 History

281 General works, treatises, and textbooks

281.5 Geodesy as a profession. Vocational guidance

283 Mathematical theory of the figure of the earth

Cf. QA827 Attractions of ellipsoids

Cf. QB331 Isostasy

Cf. QB410 Rotating masses of fluid

285 Popular works

286 Juvenile works

287 Addresses, essays, lectures

QB

- Geodesy -- Continued
- 291 Special arc measures
- Observations
- 296.A1 General works, treatises, and textbooks
- 296.A3-Z By region or country, A-Z
- 297 Data processing
- Biography
- 297.9 Collective
- 298.A-Z Individual, A-Z
- e.g.
- 298.H4 Hassler
- 298.R8 Rylke
- Study and teaching. Research
- 299 General works
- 299.5.A-Z By region or country, A-Z
- Geodetic surveying
- Cf. TA501+ Plane surveying
- Cf. VK588+ Hydrographic surveying
- 301 General works
- 303 Base measuring
- Including apparatus
- Cf. QC101 Standards of length
- 311 Triangulation
- Cf. TA583 Plane surveying
- 321 Theory and computation. Tables, etc.
- Cf. QA275 Least squares
- 325 Traverse surveying
- Cf. TA585 Plane surveying
- Instruments
- Cf. TA562+ Surveying instruments, methods, etc.
- 328.A1 General works, treatises, and textbooks
- 328.A2-Z Special, A-Z
- 328.G4 Geodimeter
- 328.P7 Prismatic astrolabe
- 328.T4 Tellurometer
- Gravity determinations
- 330 Periodicals, societies, congresses, serial publications
- 331 Theory and description of apparatus. Isostasy
- Cf. QA862.P4 Dynamics of pendulum
- Observations
- Including length of seconds, pendulum, etc.
- 334 General works, treatises, and textbooks
- 335.A-Z By region or country, A-Z
- 336 Data processing
- Gravity anomalies

Geodesy

Gravity determinations

Observations

Gravity anomalies -- Continued

337 General works, treatises, and textbooks

337.5.A-Z By region or country, A-Z

338 Plumbline deflections

339 Disturbances

Including lunar, solar, earth movements

341 Constant of gravitation. Mean density of the earth

343 Satellite geodesy. Artificial satellites in geodesy

Cf. TL798.G4 Geodetic satellites

Theoretical astronomy and celestial mechanics

Cf. TL1050+ Astrodynamics

349 Periodicals, societies, congresses, serial publications

350 Collected works

350.5 History

351 General works, treatises, and textbooks

353 Addresses, essays, lectures

Calculation of orbits

For orbits of individual planets see QB371+

For planetary orbits in general see QB603.M6

355 General works, treatises, and textbooks

355.3 Kepler's laws

355.5 Kepler's equation

357 Comets (General)

For orbits of individual comets see QB723.A+

Perturbations

Planetary theory

361 General works, treatises, and textbooks

361.9 Special aspects of the subject as a whole

362.A-Z Special topics, A-Z

362.F47 Few-body problem

362.M3 Many body problem

362.T5 Three body problem

362.T9 Two body problem

369 Tables and observations

Individual planets

Including tables and orbits

371 Mercury

372 Venus

374 Sun's apparent motion

376 Mars

Asteroids. Minor planets

- Theoretical astronomy and celestial mechanics
- Perturbations
 - Planetary theory
 - Individual planets
 - Asteroids. Minor planets -- Continued
 - 377 General works, treatises, and textbooks
 - Individual
 - 378.A-Z By name, A-Z
 - 379 By number, if unnamed
 - 384 Jupiter and Saturn
 - 387 Uranus
 - 388 Neptune
 - 389 Ultra-Neptunian planets
 - Lunar theory
 - 391 General works, treatises, and textbooks
 - 391.9 Special aspects of the subject as a whole
 - 392.A-Z Special topics, A-Z
 - 392.C3 Capture of the moon by the earth
 - 392.I5 Inequalities of the moon's motion
 - 392.O3 Occultations of stars
 - 397 Observations
 - 399 Tables, charts, diagrams, etc.
 - Satellites
 - Including individual planetary satellites
 - Cf. QB603.R55 Planetary rings
 - Cf. TL796+ Artificial satellites
 - 401 General works, treatises, and textbooks
 - 401.5 Juvenile works
 - 403 Satellites of Mars
 - 404 Satellites of Jupiter
 - 405 Satellites and ring system of Saturn
 - 406 Satellites of Uranus
 - 407 Satellites of Neptune
 - 410 Figures of equilibrium of rotating masses of fluid
 - Theory of tides
 - Cf. GC300+ Oceanography
 - Cf. QC809.E2 Earth tides
 - Cf. VK600+ Tidetables
 - 414 Early works through 1800
 - General works, treatises, and textbooks
 - 415 1801-1969
 - 415.2 1970-
 - 416 Special aspects of the subject as a whole
 - 418 Dictionaries and encyclopedias
 - 419 Miscellany and curiosa
 - Instruments see GC306

- Theoretical astronomy and celestial mechanics --
Continued
- 421 Theory of double star systems
- Cosmochemistry
- 450 General works
- 450.5 Cosmic abundance
- Astrogeology
Cf. QB592 Lunar geology
Cf. QB603.G46 Planetary geology
- Biography
- 454 Collective
- 454.2.A-Z Individual, A-Z
- 455 General works
- 455.2 Astromineralogy
- 455.5 Extraterrestrial seismology
- 456 Multiring basins
- Astrophysics (General)
- 460 Periodicals, societies, congresses, serial
publications
- 460.15 Collected works (nonserial)
- Biography
- 460.7 Collective
- 460.72.A-Z Individual, A-Z
- 461 General works, treatises, and textbooks
- 461.3 Popular works
- 461.5 Addresses, essays, lectures
- 462.2 Data processing
- 462.5 Radio astrophysics
- 462.6 Molecular astrophysics
- 462.65 Relativistic astrophysics
- Plasma astrophysics
- 462.7 General works
- 462.72 Double layers
- 462.8 Cosmic magnetic fields
- Nuclear astrophysics
- 463 Periodicals, societies, congresses, serial
publications
- 463.15 Collected works (nonserial)
- 464 General works, treatises, and textbooks
- 464.15 Particle acceleration
- 464.2 Neutrino astrophysics
- 465 Astronomical spectroscopy
Cf. QB551 Spectroscopy of sun and eclipses
Cf. QB870+ Stellar spectroscopy
- 466.A-Z Other topics, A-Z
- 466.A25 Accretion
- 466.C45 Chaotic behavior in systems

- Astrophysics (General)
 Other topics, A-Z -- Continued
- 466.C64 Collisions
 466.C67 Cosmochronology
 466.D58 Disks
 466.E65 Equations of state
 466.F58 Fluid dynamics
 466.G38 Gas dynamics
 466.J46 Jets
 466.M37 Mass loss
 466.P67 Positronium
- Non-optical methods of astronomy
- 468 General works
 Infrared astronomy
 470.A1 Periodicals, societies, congresses, serial publications
 470.A5-Z General works, treatises, and textbooks
 Gamma ray astronomy
 471.A1 Periodicals, societies, congresses, serial publications
 471.A5-Z General works, treatises, and textbooks
 471.7.A-Z Special topics, A-Z
 471.7.B85 Bursts
- X-ray astronomy
 472.A1 Periodicals, societies, congresses, serial publications
 472.A5-Z General works, treatises, and textbooks
 472.5 Juvenile works
 473 Addresses, essays, lectures
 474 Ultraviolet astronomy
- Radio astronomy
 Cf. QB860 Quasars
 475.A1 Periodicals, societies, congresses, serial publications
 475.A15 Collected works (nonserial)
 475.A2 Dictionaries and encyclopedias
 History
 475.A25 General works
 475.A28A-.A28Z By region or country, A-Z
 476.5 General works, treatises, and advanced textbooks
 477 Popular works
 478 Juvenile works
 478.5 Addresses, essays, lectures
 Observatories
 479.A2 General works

- Non-optical methods of astronomy
- Radio astronomy
- Observatories -- Continued
- 479.A5-Z By region or country, A-Z
- Under each country:*
- .x *General works*
- .x2A-.x2Z *Individual observatories.*
- By name, A-Z*
- 479.2 Radio telescopes
- 479.3 Radio interferometers
- 479.4 Millimeter astronomy
- Radio sources
- 479.5 General works
- 479.55.A-Z Individual radio sources or types of radio sources, A-Z
- 479.55.C93 Cygnus A
- 479.55.H68 Hot spots
- 479.55.M18 M87 (Galaxy)
- 479.55.R34 Radio Galaxies
- 479.55.S88 Superluminal
- 480 Radar in astronomy
- Descriptive astronomy
- Periodicals, societies, congresses, serial publications see QB1
- General works, treatises, and textbooks see QB42+
- Universe. Space. Space sciences
- Cf. QB980+ Cosmology
- Cf. TL787+ Astronautics. Space travel
- 495 Periodicals, societies, congresses, serial publications
- 496 Collected works
- 497 Dictionaries and encyclopedias
- 497.2 Communication in space sciences
- History
- 498 General works
- 498.2.A-Z By region or country, A-Z
- 500 General works, treatises, and advanced textbooks
- 500.22 Juvenile works
- 500.24 Addresses, essays, lectures
- 500.25 Special aspects of the subject as a whole
- 500.26.A-Z Special topics, A-Z
- 500.26.D38 Data processing
- 500.26.I58 International cooperation
- 500.26.S67 Space optics
- Study and teaching. Research
- Including exploration of outer space
- 500.262 General works

- Descriptive astronomy
 Universe. Space. Space sciences
 Study and teaching. Research -- Continued
- 500.264 Experiments
 500.266.A-Z By region or country, A-Z
- Orbiting astronomical observatories
- 500.267 General works
 500.268 Hubble Space Telescope
 500.269 Next Generation Space Telescope
- 500.28 Northern sky
 500.3 Southern sky
- Solar system
- 500.5 Periodicals, societies, congresses, serial publications
- 501 General works, treatises, and textbooks
 501.2 Popular works
 501.3 Juvenile works
 501.5 Study and teaching. Research
 502 Miscellany and curiosa
 503 Age of solar system. Origin of solar system
 505 Physical conditions
 Including atmospheres, resisting medium, etc.
- 507 Proper motion in space
 Solar parallax and related constants
- 508 General works
 Transit of Venus
- 509 General works, treatises, and textbooks
 511 1761 and 1769 transits
 512 1874 transit
 513 1882 transit
 513.2 2004 transit
 515 Transit of Mercury
 516 Observations of Mars and asteroids
 518 Other methods
- Sun
- 520 Periodicals, societies, congresses, serial publications
 521 General works, treatises, and textbooks
 521.4 Popular works
 521.5 Juvenile works
 521.6 Addresses, essays, lectures
 522 Tables, etc.
 Cf. QB374 Perturbations
 523 Mass, diameter, rotation, etc.
 Solar activity
 524 General works

Descriptive astronomy

Solar system

Sun

Solar activity -- Continued

525

Sunspots

Cf. BF1729.S92 Astrology

526.A-Z

Other special topics, A-Z

526.A37

Active regions

526.C9

Cycles

526.F3

Faculae

526.F6

Flares

526.F64

Floculi. Plages

Plages see QB526.F64

526.P7

Prominences

528

Atmosphere, chromosphere

Corona. Solar wind. Heliosphere

529

General works

529.5

Coronal holes

529.6

Corotating interaction regions

531

Radiation, temperature, etc.

Cf. QC910.2+ Solar radiation in meteorology

539.A-Z

Other special topics, A-Z

539.C6

Composition

539.E4

Electric field

539.E8

Evolution

539.G7

Granulation

Helioseismology see QB539.I5

539.I5

Interior

Including helioseismology

539.M23

Magnetic fields

539.N6

Noise storms

539.N8

Nuclear reactions

539.O83

Oscillations

539.P58

Polarimetry

539.R3

Radio effects

Seismology see QB539.I5

539.S5

Size

539.S65

Solar neutrinos

539.S655

Solar x-rays

539.T4

Terrestrial-solar relations

540

Miscellany and curiosa

Solar eclipses

Including works on solar and lunar
eclipses combined

Cf. BL325.E35 Eclipses (Mythology)

541

General works, treatises, and textbooks

541.5

Juvenile works

- Descriptive astronomy
- Solar system
- Sun
- Solar eclipses -- Continued
- 542 Through 1799
Class here works on individual solar eclipses occurring through 1799, as well as works discussing collectively eclipses in that time period
- 1800-
- 542.5 Collective
- Individual
- 543 1800-1899
Complete by appending a decimal point and the last two digits of the year of the eclipse to QB543 followed by author number and date of publication, e. g. QB543.98.I53 1899, Indian eclipse, 1898; report of the expeditions, c1899
- 544 1900-1999
Complete by appending a decimal point and the last two digits of the year of the eclipse to QB544 followed by author number and date of publication, e. g. QB544.91.R36 1989, Rao Joe. Your guide to the great solar eclipse of 1991, c1989
- 545 2000-2099
Complete by appending a decimal point and the last two digits of the year of the eclipse to QB545 followed by author number and date of publication
- 551 Spectroscopy of sun and eclipses
- 579 Lunar eclipses
- Moon
- 580 Periodicals, societies, congresses, serial publications
- 581 General works, treatises, and textbooks
- 581.9 Popular works
- 582 Juvenile works
- 582.3 Study and teaching. Research
- 582.5 Exploration
Cf. TL799.M6 Space flights to the moon
- 583 Distance, parallax
- 585 Rotation, libration, and shape

Descriptive astronomy

Solar system

Moon -- Continued

- 588 Temperature, radiation, brightness, phases
 591 Surface, physical condition, meteorology
 592 Lunar geology. Lunar petrology
 Cf. TN291.35 Lunar mining
 595 Photographs, maps, drawings

Planets. Planetology

- Cf. QB54 Extraterrestrial life
 Cf. QB401+ Satellites
 Cf. QB500.5+ Solar system
 Cf. QB820 Extrasolar planets
 Cf. TL799.A+ Flights to special planets

- 600 Periodicals, societies, congresses, serial publications
 600.2 Dictionaries and encyclopedias
 Communication of planetological information
 600.3 General works
 600.32 Information services
 600.33 Geographic information systems
 600.34 Computer network resources
 Including the Internet
 600.35 Planetological literature
 600.5 Nomenclature, terminology, names
 601 General works, treatises, and textbooks
 601.9 Popular works
 602 Juvenile works
 602.9 Special aspects of the subject as a whole
 602.95 Data processing
 603.A-Z Special topics, A-Z
 603.A85 Atmospheres
 Including meteorology
 For individual species, families, or groups see SF457.1
 603.C6 Composition
 603.C7 Cratering
 603.E6 Ephemerides
 603.F5 Figures
 603.G46 Geology
 Cf. TN291.3+ Space mining
 603.I52 Infrared radiation
 603.I53 Internal structure
 603.I55 Interplanetary medium
 Including interplanetary dust
 603.I57 Ionospheres
 603.M26 Magnetic fields

- Descriptive astronomy
 - Solar system
 - Planets. Planetology
 - Special topics, A-Z -- Continued
 - 603.M3 Mass
 - Meteorology see QB603.A85
 - 603.M6 Motion
 - Including orbits
 - For orbits of individual planets see QB371+
 - 603.O74 Origin
 - 603.R3 Radiation
 - 603.R55 Rings
 - Cf. QB405 Ring system of Saturn
 - 603.S6 Spectroscopy
 - 603.S95 Surfaces
 - 603.V65 Volcanism
 - 604 Tables, etc.
 - 605 Photographs, maps, drawings
 - 605.2 Miscellany and curiosa
 - Inferior planets
 - 606 General works
 - 607 Intramercurial planets
 - 611 Mercury
 - Cf. QB515 Transit of Mercury
 - 621 Venus
 - Cf. QB509+ Transit of Venus
 - Earth as a planet. Astronomical geography
 - Cf. QE500+ Geology
 - 630 Periodicals, societies, congresses, serial collections
 - 631 General works, treatises, and textbooks
 - 631.2 Popular works
 - 631.4 Juvenile works
 - 632 Origin
 - 633 Rotation
 - 637 Photographs from space
 - Seasons
 - Cf. GR930 Folklore
 - 637.2 General works, treatises, and textbooks
 - 637.4 Juvenile literature
 - 637.5 Spring
 - 637.6 Summer
 - 637.7 Autumn
 - 637.8 Winter
 - 638 Miscellany and curiosa
 - 638.8 End of the world

Descriptive astronomy

Solar system

Planets. Planetology -- Continued

Superior planets

For their satellites, see QB403+

639 General works

641 Mars

Asteroids

651 General works

653.A-Z Individual asteroids, A-Z

661 Jupiter

671 Saturn

681 Uranus

691 Neptune

695 Kuiper Belt

701 Pluto

Comets

Cf. QB357 Calculation of orbits

717 Periodicals, societies, congresses, serial publications

721 General works, treatises, and textbooks

721.4 Popular works

721.5 Juvenile works

721.6 Addresses, essays, lectures

722 Catalogs

723.A-Z Periodic comets. By name, A-Z

723.A7 Arrest's comet

723.B5 Biela's comet

723.B7 Brooks' comet

723.B8 Brorsen's comet (I)

723.C6 Comas Sola's comet

723.D45 Delavan's comet

723.D5 Denning's comet

723.E3 Encke's comet

723.F2 Faye's comet

723.G43 Geddes' comet

723.H17 Hale-Bopp comet

723.H2 Halley's comet

723.H7 Holmes' comet

723.L6 Lexell's comet

723.M67 Morehouse's comet

723.S56 Shoemaker-Levy 9 comet

723.T3 Tempel's comet (I)

723.T8 Tuttle's comet

723.V35 Van Biesbroeck's comet

724 Comets before 1700

Descriptive astronomy

Solar system

Comets -- Continued

- 725 1700-1799
Complete by appending a decimal point and the last two digits of the year of the eclipse to QB725 followed by author number and date of publication
- 726 1800-1899
Complete by appending a decimal point and the last two digits of the year of the eclipse to QB726 followed by author number and date of publication, e.g. QB726.61.K8, Kreutz, Heinrich, Untersuchungen über die Bahn des grossen Kometen von 1861
- 727 1900-1999
Complete by appending a decimal point and the last two digits of the year of the eclipse to QB727 followed by author number and date of publication
- 729 Distribution of comets
- 731 Nature and constitution (before the spectroscope)
- 732 Nature and constitution (modern views)
- 738 Meteoroids
- Meteors
- 740 Periodicals, societies, congresses, serial publications
- 741 General works, treatises, and textbooks
- 741.5 Juvenile works
- 743 Methods of observation and geometrical topics
Including radiants, altitude, etc.
- Periodic showers
- 745 November
- 746 August
- 748 Orbits
- 748.2 Streams
- Relation between meteors and comets
- 749 General works
- 751 Other theories of the origin of meteors
- 753 Remarkable meteors, fireballs
- Meteorites
- Including craters
Cf. QE399 Tektites
- 754.8 Periodicals, societies, congresses, serial publications

Descriptive astronomy

Solar system

Meteorites -- Continued

- 755 General works, treatises, and textbooks
 755.2 Juvenile literature
 755.3 Addresses, essays, lectures
 755.5.A-Z By region or country, A-Z
 756.A-Z Individual meteorites and craters, A-Z
 756.A44 Allende meteorite
 756.C45 Chinguetti meteorite
 756.M4 Meteor Crater (Ariz.)
 756.O74 Orgueil meteorite
 756.P67 Port Orford meteorite
 756.S5 Sikhote-Alin meteorite
 756.T8 Tunguska meteorite
- Meteorite types or classes
- Iron meteorites. Siderites
- 757 General works, treatises, and textbooks
 757.5.A-Z Special, A-Z
 757.5.A73 Ataxites
 757.5.H49 Hexahedrites
 757.5.O37 Octahedrites
- Stony meteorites. Aerolites
- 758 General works, treatises, and textbooks
 758.5.A-Z Special, A-Z
 758.5.A47 Achondrites
 758.5.C46 Chondrites
- 759 Stony-iron meteorites. Siderolites.
 Intermediates
- 761 Zodiacal light. Counter glow. Gegenschein
 Spectroscopy of moon, planets, comets, etc.
- 770 Moon
 775 Planets
 780 Comets
 785 Meteors
- Interstellar matter
- 790 General works
 791 Cosmic dust
 791.2 Cosmic grains
 791.3 Dark matter
 791.35 Missing mass
 791.4 Molecular clouds
 791.5 Interstellar hydrogen
 791.7 Interstellar magnetic fields
 792 Circumstellar matter

Descriptive astronomy -- Continued

Stars

- Cf. QB6 Star catalogs
- Cf. QB870+ Stellar spectroscopy
- 799 Periodicals, societies, congresses, serial publications
- 801 General works, treatises, and textbooks
- 801.6 Popular works
- 801.7 Juvenile works
- 801.8 Addresses, essays, lectures
- 802 Constellation figures. Star names
 - Cf. QB63 Stargazers' guides
- 803 Zodiac
 - Including individual constellations of the zodiac
- 805 Particular stars (not A-Z)
 - Cf. QB823 Particular double and multiple stars
 - Cf. QB837 Particular variable stars
 - Cf. QB883 Spectra of special stars
- 806 Stellar evolution
- 806.5 Starbursts
- 807 Astrometry
 - Cf. QB135 Astronomical photometry
- 808 Structure
- 809 Atmospheres
- Motion
 - Including orbits, velocities, dynamics
- 810 General works
- 811 Proper motion
- 812 Stellar oscillations
- 813 Parallax and distance
- 814 Masses
- 815 Magnitudes. Photometric catalogs
- 816 Color
 - Cf. QB829 Color of double stars
- 817 Radiation. Bolometry
- 817.5 Magnetic fields
- 818 Stellar diameters
- 818.5 Stellar collisions
 - Including stellar mergers
- 819 Distribution
 - Including stellar populations
- 820 Extrasolar planets
- Double and multiple stars. Binary systems
 - Cf. QB421 Theory
 - Cf. QB903 Spectroscopy

Descriptive astronomy

Stars

Double and multiple stars. Binary systems --
Continued

- 821 General works, treatises, and textbooks
Including observations, catalogs
- 823 Particular stars (not A-Z)
- 829 Colors of double stars
- 830 X-ray binaries
- Variable stars. Algol systems
Cf. QB895 Spectroscopy
- 833 Periodicals, societies, congresses, serial
publications
- 835 General works, treatises, and textbooks
Including observations, catalogs
- 835.2 Addresses, essays, lectures
- 836 Magnitude. Photometric catalogs
- 837 Particular stars or clusters (not A-Z)
- 837.5 Cataclysmic variable stars
- 838 Pulsating stars
- 841 Temporary or new stars
- 843.A-Z Other particular types of stars, A-Z
- 843.A12 A stars
- 843.A89 Asymptotic giant branch stars
- 843.B12 B stars
- 843.B25 Be stars
- 843.B55 Black holes
- 843.B57 Blue stragglers
- 843.B75 Brightest stars
- 843.B77 Brown dwarfs
- 843.C6 Cool stars
- 843.D44 Coronae Borealis stars R see QB843.R12
- 843.D85 Delta Scuti stars
- 843.D9 Dwarf novae
- 843.E2 Dwarf stars
- 843.E2 Early stars
- 843.F55 Flare stars
- 843.L85 Luminous blue variables
- 843.M16 M stars
- 843.M3 Magnetic stars
- 843.N12 N stars
- 843.N4 Neutron stars
- 843.O12 O stars
- 843.P42 Peculiar stars
- 843.P8 Pulsars
- 843.R12 R Coronae Borealis stars
- 843.R17 R Scuti stars

Descriptive astronomy

Stars

Other particular types of stars, A-Z --

Continued

- 843.R4 Red dwarfs
- 843.R42 Red giants
- 843.R72 RR Lyrae stars
- 843.S53 Shell stars
- 843.S85 Subgiant stars
- 843.S9 Supergiant stars
- 843.S94 Supermassive stars
- 843.S95 Supernovae
- 843.S96 Symbiotic stars
- 843.T12 T Tauri stars
- 843.W5 White dwarfs
- 843.W6 Wolf-Rayet stars

Clusters and nebulae

Cf. QB891 Spectroscopy

- 851 General works, treatises, and textbooks
Including observations, catalogs

Clusters

- 853 General works
- 853.5 Globular clusters

Nebulae

- 855 General works
- 855.2 Juvenile works
- 855.5 Planetary nebulae
Including proto-planetary nebulae
- 855.55 Gaseous nebulae
Including Herbig-Haro objects
- 855.9.A-Z Individual. By name, A-Z
- 855.9.C7 Crab Nebula
- 855.9.H67 Horsehead Nebula
- 855.9.O75 Orion Nebula

Galaxies

- 856 Periodicals, societies, congresses, serial
publications
- 857 General works
- 857.3 Juvenile works
- 857.5.A-Z Special topics, A-Z
- 857.5.B84 Bulges
- 857.5.D37 Data processing
- 857.5.E96 Evolution
- 857.5.E97 Extragalactic distances
- 857.5.G7 Gravitational lenses
Including microlensing
- 857.5.H34 Halos

Descriptive astronomy

Stars

Galaxies

Special topics, A-Z -- Continued

857.5.M34

Magnetic fields

857.5.M67

Motion in the line of sight

Radio galaxies see QB479.55.R34

857.5.S87

Surface brightness

Milky Way galaxy

857.7

General works

857.72

Galactic center

858

Dwarf galaxies

Active galaxies

Including active galactic nuclei

858.3

General works

858.35

BL Lacertae objects

858.4

Elliptical galaxies

858.42

Spiral galaxies

858.5.A-Z

Other galaxies. By name, A-Z

858.5.M33

Magellanic Clouds

Clusters of galaxies

858.7

General works

858.8.A-Z

Individual. By name, A-Z

858.8.L63

Local Group

Cf. QB857.7+ Milky Way

858.8.V57

Virgo Cluster

860

Quasars

Stellar spectroscopy

870

Periodicals, societies, congresses, serial collections

871

General works, treatises, and textbooks

873

Instruments and apparatus

875

Chemical and physical constitution

881

Classification of stars

Including classed catalogs

883

Study of special types of spectra

Including the spectra of special stars

891

Nebulae and clusters

895

Variables and new stars

901

Motion in the line of sight. Radial velocities

903

Spectroscopic observations on double stars

Cosmogony. Cosmology

Including nebular hypothesis, meteoritic hypothesis, glacial cosmogony

Cf. BD493+ Speculative philosophy

Cf. QB503 Origin of solar system

- Cosmogony. Cosmology -- Continued
- 980 Periodicals, societies, congresses, serial publications
 - 980.5 Dictionaries and encyclopedias
 - 981 General works, treatises, and textbooks
 - 982 Popular works
 - 983 Juvenile works
 - 985 Addresses, essays, lectures
 - 991.A-Z Special topics, A-Z
 - 991.B54 Big bang theory
 - 991.C64 Cosmic background radiation
 - Including cosmic ripples
 - 991.C65 Cosmic rotation
 - 991.C66 Cosmological distances
 - 991.E53 End of the universe
 - 991.E94 Expanding universe
 - 991.G73 Great Attractor
 - 991.I54 Inflationary universe
 - 991.L37 Large scale structure
 - 991.N34 Naked singularities
 - 991.P45 Phase transformations

Physics

- Cf. QH505 Biophysics
- Cf. R895+ Medical physics
- Cf. S588.4+ Agricultural physics

- 1 Periodicals, societies, congresses, serial publications
- 3 Collected works (nonserial)
- 5 Dictionaries and encyclopedias
- Communication in physics
 - 5.3 General works
 - 5.35 Information services
 - 5.4 Computer network resources
 - Including the Internet
 - 5.45 Physics literature
 - 5.5 Abstracting and indexing
 - 5.52 Language. Authorship
- Philosophy. Methodology
 - For relativity physics see QC173.5+
 - For unified field theories see QC173.68+
- 5.56 Periodicals, societies, congresses, serial publications
- 5.58 Collected works (nonserial)
- 6 General works, treatises, and textbooks
- 6.2 Addresses, essays, lectures
- 6.4.A-Z Special topics, A-Z
 - 6.4.C3 Causality
 - 6.4.C56 Coherent state
 - 6.4.C58 Constraints
 - 6.4.C6 Continuity. Continuum
 - 6.4.D46 Determinism
 - Cf. QC174.17.H4 Heisenberg principle
 - 6.4.D5 Dialectical materialism
 - 6.4.D8 Dualism
 - 6.4.F58 Fluctuations
 - 6.4.R42 Reality
 - 6.4.R43 Reductionism
- 6.8 Nomenclature, terminology, notation, abbreviations
- History
 - 6.9 Periodicals, societies, congresses, serial publications
 - 7 General works
 - 7.5 Addresses, essays, lectures
 - 9.A-Z By region or country, A-Z
- 14 Women in physics. Women physicists
 - For biography see QC15+
- Biography
 - 15 Collective

- Biography -- Continued
- 16.A-Z Individual, A-Z
e.g.
Curie, Marie and Pierre see QD22.C8
- 16.E5 Einstein
- 16.N7 Newton
- 16.2 Directories
- Early works
- 17 1501-1700
- 19 1701-1800
- Mathematical physics
- For mathematical theory without practical applications see QA401+
- Cf. QC173.96+ Quantum theory
- Cf. TA329+ Engineering mathematics
- 19.2 Periodicals, societies, congresses, serial publications
- 19.3 Collected works (nonserial)
- History
- 19.6 General works
- 19.7.A-Z By region or country, A-Z
- 20 General works, treatises, and textbooks
- 20.5 Addresses, essays, lectures
- 20.6 Special aspects of the subject as a whole
- 20.7.A-Z Special topics, A-Z
- 20.7.A34 Adiabatic invariants
- 20.7.A37 Algebraic geometry
- 20.7.A4 Algebraic logic
- 20.7.A5 Analysis
Cf. QA401+ Analytical methods for physical problems
- 20.7.A85 Asymptotic theory
- 20.7.B38 Bayesian statistical decision theory
- 20.7.B47 Bethe-ansatz technique
- 20.7.B54 Bifurcation theory
- 20.7.B58 Bose algebras
- 20.7.B6 Boundary value problems
- 20.7.C14 C*-algebras
- 20.7.C28 Calculus of tensors
- 20.7.C3 Calculus of variations
- 20.7.C36 Catastrophes
- 20.7.C55 Clifford algebras
- 20.7.C58 Combinatorial analysis
- 20.7.C6 Correlation
- 20.7.C63 Coupled problems
- 20.7.D4 Decomposition method
- 20.7.D43 Density functionals

- Mathematical physics
 Special topics, A-Z -- Continued
- 20.7.D45 Determinants
- 20.7.D47 Difference equations
- 20.7.D5 Differential equations
- 20.7.D516 Differential games
- 20.7.D52 Differential geometry
 Including noncommutative differential
 geometry
- 20.7.D55 Dimensional analysis
- 20.7.E4 Electronic data processing
- 20.7.E48 Embedding theorems
- 20.7.E88 Evolution equations
- 20.7.F56 Finite element method
- 20.7.F67 Fourier transformations
- 20.7.F73 Fractals
- 20.7.F84 Functional analysis
- 20.7.F85 Functional integration
- 20.7.F87 Functions, Special
- 20.7.G44 Geometry
- 20.7.G55 Global analysis
- 20.7.G7 Graph theory
- 20.7.G76 Group theory
 Cf. QC174.17.G7 Group theoretical methods
 for quantum mechanical problems
- 20.7.H35 Hamiltonian systems
- 20.7.H65 Homology and cohomology theories
- 20.7.I33 Idempotents
- 20.7.I58 Integral equations
- 20.7.K56 Knot polynomials
- 20.7.L54 Lie algebras. Lie-admissible algebras
- 20.7.M24 Manifolds
- 20.7.M27 Mathematical optimization
- 20.7.M3 Matrix theory
 Cf. QC174.3+ Matrix mechanics
 Cf. QC793.3.M36 Elementary particle physics
- 20.7.M43 Measure theory
 Cf. QC174.17.M4 Quantum theory
- 20.7.M53 Microlocal analysis
- 20.7.M65 Monte Carlo method
- 20.7.N58 Nonassociative algebras
- Noncommutative differential geometry see
 QC20.7.D52
- 20.7.N6 Nonlinear theories
- 20.7.O65 Operator algebras
- 20.7.O75 Orthogonal functions and polynomials
- 20.7.P3 Padé approximant

- Mathematical physics
 Special topics, A-Z -- Continued
- 20.7.P47 Perturbation
 20.7.P67 Potential theory
 20.7.P7 Probabilities
 20.7.R4 Relaxation methods
 20.7.R43 Renormalization
 20.7.S3 Scattering theory
 20.7.S54 Singularities
 Special functions see QC20.7.F87
 20.7.S64 Spectral theory
 20.7.S645 Spherical harmonics
 20.7.S65 Spinor analysis
 20.7.S68 Stability
 20.7.S8 Stochastic processes
 Tensor analysis see QC20.7.C28
 20.7.T45 Theory of distributions
 20.7.T65 Topology
 20.7.V4 Vector analysis
 20.7.W38 Wavelets
 20.7.W53 WKB approximation
- Study and teaching. Research
- 20.8 General works
 20.815.A-Z By region or country, A-Z
 20.82 Problems, exercises, examinations
 20.85 Handbooks, tables, formulas, etc.
- General works, treatises, and advanced textbooks
- 21 1801-1969
 21.2 1970-2000
 21.3 2001-
- Elementary textbooks
- 23 To 2000
 23.2 2001-
- 24 Pictorial works and atlases
 24.5 Popular works
 25 Juvenile works
 26 Recreations, home experiments, etc.
 27 Anecdotes, facetiae, satire, etc.
 Addresses, essays, lectures see QC71
- 28 Special aspects of the subject as a whole
 29 Physics as a profession. Vocational guidance
- Study and teaching. Research
- For programmed texts see QC21+
- 30 General works
 31 Outlines, syllabi
 32 Problems, exercises, examinations

- Study and teaching. Research -- Continued
- 33 Experiments
Cf. QC26 Home experiments
- Laboratory manuals
- Elementary
- 35 General works
- 36 Laboratory blanks
- 37 Advanced
- 39 Physical measurements (General)
Including theory and methods
Cf. QC81+ Weights and measures
Cf. T50 Technical mensuration
- 39.5 Juvenile works
- 41 Laboratory technique
By region or country
United States
- 44 General works
- 45.A-Z By region or state, A-Z
Subarrange each state by Table Q7
- 47.A-Z Other regions or countries, A-Z
Subarrange each country by Table Q7
- 48 Developing countries
- Laboratories
Cf. QC100.A2+ Standardizing bureaus
Cf. QC541.A1+ Electric laboratories
- 51.A1 General works
- 51.A3-Z By region or country, A-Z
Subarrange each country by Table Q6
- 52 Data processing
- Instruments and apparatus (General)
For instruments of special fields, see the field
Cf. QC100.5+ Weights and measures
Cf. QC101+ Instruments for measurement of
length, area, weight, etc.
Cf. QC370.5+ Optical instruments
Cf. QC875.5+ Meteorological instruments
- 53 General works
- 55 Juvenile works
- Museums. Exhibitions
- 60.A1 General works
- 60.A2-Z By region or country, A-Z
Subarrange each country by Table Q5
- 61 Handbooks, tables, formulas, etc.
- 71 Addresses, essays, lectures
- Force and energy (General)
Cf. QC310.15+ Thermodynamics
Philosophy see QA843+

- Force and energy (General) -- Continued
- 72 History
- 73 General works, treatises, and textbooks
- 73.4 Juvenile works
- 73.6 Study and teaching. Research
- 73.8.A-Z Special topics, A-Z
- 73.8.C6 Conservation of energy
- 73.8.C65 Correlation of forces
- 73.8.E53 Energy transfer
- 73.8.M4 Mechanical advantage
- 73.8.W65 Work
- 75 Miscellany and curiosa
- Weights and measures
- Class here works on the means of expressing quantities of length, area, volume, capacity, and mass (or weight) in terms of standard units. For works on units used in the measurement of other quantities, including velocity, pressure, energy, temperature, see the particular field of application
- Cf. BS680.W4 Weights and measures in the Bible
- Cf. HF5711+ Tables of weights and measures (Business mathematics)
- Cf. QA465 Mensuration (Mathematics)
- Cf. QB214 Time measuring instruments
- Cf. QC535+ Electric measurements
- 81 Periodicals, societies, congresses, serial publications
- For governmental standardizing bureaus, including serial publications issued by them see QC100.A3+
- Museums. Exhibitions
- 81.5.A1 General works
- 81.5.A2-Z By region or country, A-Z
- Subarrange each country by Table Q5
- 82 Dictionaries and encyclopedias
- History
- 83 General works
- 84 Ancient
- 85 Medieval
- 86 Modern
- 87 Early works through 1800
- 88 General works, treatises, and advanced textbooks
- Including works with an alphabetical arrangement of countries

- Weights and measures -- Continued
- 89.A-Z By region or country, A-Z
Subarrange each country by Table Q4
- 90 Elementary textbooks
- 90.5 Popular works
- 90.6 Juvenile works
- Special systems
- Metric system. International system (SI)
Cf. T50.5 Metric system in industry
- 90.8 Periodicals, societies, congresses, serial publications
- 91 General works, treatises, and textbooks
- 92.A-Z By region or country, A-Z
Subarrange each country by Table Q4
- 92.2 Popular works
- 92.5 Juvenile works
- 92.6 Addresses, essays, lectures
- 93 Study and teaching. Research
- 94 Conversion tables
- International system see QC90.8+
- 96 Other systems (not A-Z)
- 97 Study and teaching. Research
- 99 Miscellany and curiosa
Including pyramid metrology
- Standards (General). Governmental standardizing bureaus
- 100.A2 General works, treatises, and textbooks
- 100.A3-Z By region or country, A-Z
- Measuring instruments (General)
- 100.5 General works
- 100.8 Catalogs
- Measurement of special quantities
Including instruments used in measurement
- Length
- 101 Standards
- 102 Measurement and instruments
- 102.5 Thickness
Including micrometers
- Area see QA81
- 103 Angles
Including goniometers
Cf. QA482 Plane geometry
Cf. TA603 Surveying
- 104 Volume
- Mass and weight
- 105 Standards

- Weights and measures
 - Measurement of special quantities
 - Mass and weight -- Continued
 - Measurement
 - Cf. QC172+ Atomic mass
 - Cf. QC454.M3 Mass spectrometry
 - General works
 - 106
 - 107 Weighing instruments, balances, scales, etc.
 - Cf. TS410 Manufactures
 - Density and specific gravity
 - General works
 - 111
 - 114 Tables, etc.
- Descriptive and experimental mechanics
 - For theoretical and analytical mechanics see QA801+
 - Cf. QC71.82+ Force and energy (General)
 - Cf. QC176+ Solid state physics
 - Cf. TA349+ Applied mechanics
 - 120 Periodicals, societies, congresses, serial publications
 - 121 Collected works (nonserial)
 - 121.6 Dictionaries and encyclopedias
 - 121.8 Nomenclature, terminology, notation, abbreviations
 - History
 - For general history of mechanics see QA802
 - General works
 - 122
 - 122.2.A-Z By region or country, A-Z
 - 123 Early works through 1800
 - General works, treatises, and advanced textbooks
 - 125 1801-1969
 - 125.2 1970-
 - 127 Elementary textbooks
 - 127.3 Popular works
 - 127.4 Juvenile works
 - 127.6 Addresses, essays, lectures
 - Study and teaching. Research
 - 128 General works
 - 129 Problems, exercises, examinations
 - 129.5 Laboratory manuals
 - 131 Special aspects of the subject as a whole
 - Dynamics. Motion
 - Cf. QA843+ Analytic mechanics
 - General works, treatises, and textbooks
 - 133
 - 133.5 Juvenile works
 - 135 Kinematics

Descriptive and experimental mechanics

Dynamics. Motion -- Continued

- 136 Vibrations
 Cf. QA865+ Analytic mechanics (Dynamics)
 Cf. QA935+ Vibrations of elastic bodies
 Cf. QC231 Sound
 Cf. TA355 Engineering
- 137 Inertia
 Including Mach's principle
 Velocity. Speed
 Cf. QC233 Velocity of sound
 Cf. QC407 Velocity of light
- 137.5 General works, treatises, and textbooks
- 137.52 Juvenile works
- Fluids. Fluid mechanics
 Including liquids
 Cf. QA901+ Analytic mechanics
 Cf. TA357+ Applied fluid mechanics
- 138 Periodicals, societies, congresses, serial publications
- 139 Dictionaries and encyclopedias
- 140 Nomenclature, terminology, notation, abbreviations
- 141 History
- 142 Early works through 1500
 General works, treatises, and textbooks
- 143 1501-1700
- 144 1701-1800
- 145 1801-1969
- 145.2 1970-
- 145.24 Juvenile works
- 145.26 Addresses, essays, lectures
- 145.28 Study and teaching
- 145.3 Handbooks, tables, formulas, etc.
- 145.4.A-Z Special properties of liquids, A-Z
- 145.4.A25 Acoustic properties
- 145.4.C6 Compressibility
- 145.4.D5 Diffusion
- 145.4.E45 Electric properties
- 145.4.E9 Expansion
- 145.4.M27 Magnetic properties
- 145.4.O6 Optical properties
- 145.4.P73 Pressure
- 145.4.T5 Thermal properties
- 145.4.V5 Viscosity
- 145.45.A-Z Special liquefied gases, A-Z
- 145.45.A75 Argon

- Descriptive and experimental mechanics
- Fluids. Fluid mechanics
- Special liquefied gases, A-Z -- Continued
- 145.45.F5 Fluorine
- 145.45.H4 Helium
- 145.45.H9 Hydrogen
- 145.48.A-Z Special liquids, A-Z
- 145.48.P6 Polywater
- 145.48.S9 Supercooled liquids
- Hydrostatics. Floating bodies
- Cf. QC183 Surface tension
- Cf. TC165+ Technical hydraulics
- Cf. TJ836+ Fluid power technology
- 145.5 Periodicals, societies, congresses, serial publications
- 145.7 Collected works (nonserial)
- 145.8 Dictionaries and encyclopedias
- 145.9 Nomenclature, terminology, notation, abbreviations
- 147 General works, treatises, and textbooks
- 147.5 Juvenile works
- 148 Addresses, essays, lectures
- Study and teaching. Research
- 148.2 General works
- 148.24 Laboratory manuals
- 148.4 Instruments and apparatus
- Including hydrometers, flowmeters
- Fluid dynamics. Hydrodynamics
- Cf. QA911+ Analytic mechanics
- Cf. TC171+ Technical hydraulics
- Cf. TJ266+ Turbine engineering
- Cf. TP156.F6 Chemical engineering
- 150 Periodicals, societies, congresses, serial publications
- 151 General works, treatises, and textbooks
- 151.2 Juvenile works
- 151.5 Addresses, essays, lectures
- 151.7 Special aspects of the subject as a whole
- 152 Incompressible fluids
- 152.5 Compressible fluids
- 153 Nonhomogeneous fluids
- 154 Viscous fluids
- Cf. QA929 Analytic mechanics
- Cf. QC189.5.A1+ Rheology, Non-Newtonian fluids
- 155 Flows in porous media
- 155.5 Flows in viscous media

Descriptive and experimental mechanics

Fluids. Fluid mechanics

Fluid dynamics. Hydrodynamics -- Continued

155.7

Flows in continuous media

Cf. QA808.2 Analytic mechanics

Quantum and relativistic hydrodynamics see
QA912Magnetohydrodynamics (Analytic mechanics) see
QA920Magnetohydrodynamics (Plasma physics) see
QC718.5.M36

157

Waves

Cf. QA927 Analytic mechanics

Cf. QC718.5.W3 Plasma physics

158

Jets and cavities

159

Vortex flows

Cf. QA925 Analytic mechanics

Liquids see QC138+

Gases. Pneumatics

Including air

Cf. QD531 Manipulation of gases, etc.

Cf. QD535 Liquefaction of gases

161

General works, treatises and textbooks

161.2

Juvenile works

161.5

Handbooks, tables, formulas, etc.

Special properties of gases

162

Adsorption and absorption

Including occlusion

163

Compressibility

163.5

Diffusion

164

Expansion

164.5

High temperatures

Occlusion see QC162

165

Pressure

Including manometers, etc.

165.3

Optical properties

165.5

Thermal properties

Vacuum

Including vacuum production, etc.

Cf. TJ940+ Vacuum technology

166

General works

166.5

Ultrahigh vacuum

167

Viscosity

QC

- Descriptive and experimental mechanics
 Fluids. Fluid mechanics -- Continued
 Gas dynamics. Motion of gases
 Including thermodynamic aspects
 Cf. QA930 Analytic mechanics
 Cf. QC717+ Ion flow dynamics
 Cf. TJ1025+ Mechanical engineering
 Cf. TL570+ Aerodynamics
- 167.5 Periodicals, societies, congresses, serial publications
- 168 General works, treatises, and textbooks
- 168.2 Addresses, essays, lectures
 Study and teaching. Research
- 168.4 General works
- 168.6 Problems, exercises, etc.
- 168.7 Technique
- 168.8 Handbooks, tables, formulas, etc.
- 168.85.A-Z Special topics, A-Z
- 168.85.D46 Detonation waves
- 168.85.R45 Relaxation
- 168.85.S45 Shock waves
- 168.86 Rarefied gas dynamics
- Atomic physics. Constitution and properties of matter
 Including molecular physics
 Cf. QC770+ Nuclear physics
 Cf. QD450+ Physical chemistry
 Cf. TA401+ Materials of engineering and construction
- 170 Periodicals, societies, congresses, serial publications
 General works, treatises, and textbooks
- 171 Through 1969
- 171.2 1970-
- Constitution of matter and antimatter (General)
 Cf. QC671 Aberration
 Cf. QC793+ Elementary particle physics
- 172 Periodicals, societies, congresses, serial publications
- 172.2 Collected works (nonserial)
- 173 General works, treatises, and textbooks
- 173.16 Juvenile works
- 173.18 Addresses, essays, lectures
- 173.25 Study and teaching. Research
- Properties of matter and antimatter (General)
 Cf. QC182+ Special properties of matter and antimatter

Atomic physics. Constitution and properties of matter

Properties of matter and antimatter (General) --

Continued

- 173.28 Periodicals, societies, congresses, serial publications
- 173.3 General works, treatises, and textbooks
- 173.36 Juvenile works
- 173.38 Addresses, essays, lectures
- 173.39 Special aspects of the subject as a whole
- 173.397 Handbooks, tables, formulas, etc.
- 173.4.A-Z Special topics, A-Z
- 173.4.A82 Atom cooling
- 173.4.A85 Atomic beams
- 173.4.A87 Atomic clusters see QC173.4.M48
- 173.4.A87 Atomic structure
- 173.4.C63 Clusters, Atomic see QC173.4.M48
- (173.4.C65) Composite materials
- 173.4.C74 Condensed matter
see QC173.45+
- 173.4.E65 Critical phenomena
- 173.4.H95 Equations of state
- 173.4.I53 Hyperfine structure
- 173.4.I57 Inhomogeneous materials
- 173.4.L55 Interfaces
- 173.4.L56 Liquid crystals
Cf. QD923 Crystallography
- 173.4.L56 Liquid metals
Cf. TA463 Engineering
- 173.4.M48 Microclusters
Including atomic clusters and molecular clusters
Cf. QC793.3.S8 Nuclear cluster theory
- 173.4.M5 Microphysics
- 173.4.M65 Molecular beams
- 173.4.M67 Molecular clusters see QC173.4.M48
- 173.4.M85 Momentum distributions
- 173.4.O73 Multiple scattering
- 173.4.P64 Order-disorder models
- 173.4.P65 Polarizability
- 173.4.P65 Polymers
Class here works on physical properties
For general works on chemical and physical properties see QD380+
- 173.4.P67 Porous materials
- 173.4.Q36 Quasicrystals
Cf. QD926 Crystallography

QC

- Atomic physics. Constitution and properties of matter
 Properties of matter and antimatter (General)
 Special topics, A-Z -- Continued
- 173.4.Q37 Quasimolecules
 173.4.R44 Relaxation phenomena
 173.4.S94 Surfaces
 173.4.T48 Thomas-Fermi theory
- Condensed matter physics
- 173.45 Periodicals, societies, congresses, serial publications
 173.452 Directories
 173.454 General works, treatises, and advanced textbooks
 173.456 Study and teaching. Research
 173.457.A-Z Special methods, A-Z
 173.457.C64 Computer simulation
 173.457.S7 Statistical methods
 173.458.A-Z Special topics, A-Z
 173.458.C78 Crystalline interfaces
 173.458.D43 Defects
 173.458.E43 Electric properties
 173.458.E53 Energy dissipation
 173.458.F72 Fractals
 173.458.M33 Magnetic properties
 173.458.O66 Optical properties
 173.458.R33 Radiation effects
 173.458.S62 Soft condensed matter
 173.458.S64 Spectra
 173.458.S75 Structure
 173.458.S87 Surfaces
 173.458.T48 Thermal properties
 173.458.U54 Universalities
- Relativity physics
 Cf. QA808.5 Relativistic mechanics
 Cf. QC175.3+ Kinetic theory of liquids
- 173.5 Periodicals, societies, congresses, serial publications
 173.51 Collected works (nonserial)
 173.52 History
 173.55 General works, treatises, and textbooks
 173.57 Popular works
 173.575 Juvenile works
 173.58 Addresses, essays, lectures
 173.585 Special aspects of the subject as a whole
 Including criticism of relativity
 173.59.A-Z Special topics, A-Z

- Atomic physics. Constitution and properties of matter
- Relativity physics
- Special topics, A-Z -- Continued
- 173.59.G44 Geometrodynamics
- 173.59.M3 Mathematical methods
- 173.59.S65 Space and time
- 173.59.T5 Time dilatation
- 173.59.T53 Time reversal
- Special types of relativity theories
- 173.6 General
- 173.65 Special
- Field theories. Unified field theories
- Cf. QA808.2 Continuum mechanics
- Cf. QC174.45+ Quantum field theory
- Cf. QC178 Theories of gravitation
- Cf. QC793.3.F5 Elementary particle physics
- 173.68 Periodicals, societies, congresses, serial publications
- 173.7 General works, treatises, and textbooks
- 173.72 Addresses, essays, lectures
- 173.75.A-Z Special topics, A-Z
- 173.75.T5 Thermodynamics
- 173.75.T85 Twistor theory
- Quantum theory. Quantum mechanics
- Cf. QC446.15+ Quantum optics
- 173.96 Periodicals, societies, congresses, serial publications
- 173.97 Collected works (nonserial)
- 173.975 Dictionaries and encyclopedias
- 173.98 History
- 174 Early works through 1926
- Class here works on quantum theory prior to the Bohr atom
- 174.12 General works, treatises, and textbooks
- Class here works on quantum theory after 1926
- 174.125 Addresses, essays, lectures
- 174.13 Special aspects of the subject as a whole
- Study and teaching. Research
- 174.14 General works
- 174.15 Problems, exercises, examinations
- Special topics, A-Z
- 174.17.A-Z
- 174.17.A53 Angular momentum
- 174.17.A66 Approximation theory
- 174.17.B45 Bell's theorem
- 174.17.B6 Bound states
- 174.17.C45 Chaos

- Atomic physics. Constitution and properties of matter
- Quantum theory. Quantum mechanics
- Special topics, A-Z -- Continued
- 174.17.C6 Commutation relations
- 174.17.C63 Complementarity
- 174.17.C65 Correspondence principle
- 174.17.C67 Coulomb potential
- 174.17.D37 Data processing
- 174.17.D44 Density matrices
- Few-body problem see QC174.17.P7
- 174.17.F45 Feynman integrals
- 174.17.F54 Finite element method
- 174.17.G46 Geometric quantization
- 174.17.G5 Gibbs' paradox
- 174.17.G56 Gleason measures
- 174.17.G68 Green's functions
- 174.17.G7 Group theory
- Cf. QA174+ Algebra
- 174.17.H3 Hamiltonian operator
- 174.17.H4 Heisenberg principle
- Cf. QC6.4.D46 Determinism
- 174.17.H55 Hilbert space
- 174.17.I58 Integral equations
- 174.17.I76 Irreversible processes
- Cf. QC318.I7 Thermodynamics
- Many-body problem see QC174.17.P7
- 174.17.M33 Markov processes
- 174.17.M35 Mathematical logic. Quantum logic
- 174.17.M4 Measure theory. Quantum measure theory
- 174.17.O63 Operator theory
- 174.17.P27 Path integrals
- 174.17.P3 Pauli exclusion principle
- 174.17.P45 Perturbation
- 174.17.P68 Probabilities
- 174.17.P7 Problem of many bodies
- Including few-body problem
- Quantum logic see QC174.17.M35
- 174.17.Q35 Quantum maps
- Quantum measure theory see QC174.17.M4
- 174.17.R32 Racah algebra
- 174.17.R37 Rate processes
- 174.17.R46 Renormalization theory
- 174.17.R65 Rotation groups
- 174.17.S3 Schrödinger operator
- 174.17.S36 Semigroups
- 174.17.S6 Sommerfeld polynomial method

- Atomic physics. Constitution and properties of matter
- Quantum theory. Quantum mechanics
- Special topics, A-Z -- Continued
- 174.17.S76 Stochastic processes
- 174.17.S77 Sum rules
- 174.17.S78 Supergravity see QC174.17.S9
- 174.17.S9 Superposition
- 174.17.S9 Symmetry. Invariance
- Including supergravity
- Cf. QC793.3.S9 Elementary particle physics
- 174.17.T7 Transformations
- 174.17.V35 Variational principles
- 174.17.V4 Vector analysis
- Wave mechanics
- Cf. QC793.3.W3 Elementary particle physics
- 174.2.A1 Periodicals, societies, congresses, serial publications
- 174.2.A2 Collected works (nonserial)
- 174.2.A6-Z General works, treatises, and textbooks
- 174.22 Addresses, essays, lectures
- 174.23 Special aspects of the subject as a whole
- 174.24.A-Z Special types of wave mechanics, A-Z
- 174.24.G4 Geometrical
- 174.24.N6 Nonlinear
- 174.24.N64 Nonrelativistic
- 174.24.R4 Relativistic
- 174.26.A-Z Special topics, A-Z
- Atomic and molecular orbitals see QD461
- 174.26.A8 Atomic transition probabilities
- 174.26.B58 Bivectors
- Spinor analysis see QA433
- 174.26.W28 Wave equations
- Including solitons
- 174.26.W3 Wave functions
- Matrix mechanics
- Cf. QC793.3.M36 Elementary particle physics
- 174.3.A1 Periodicals, societies, congresses, serial publications
- 174.3.A6-Z General works, treatises, and textbooks
- 174.32 Handbooks, tables, formulas, etc.
- 174.35.A-Z Special theories, A-Z
- 174.35.R2 R-matrix theory
- 174.35.S2 S-matrix theory
- Quantum statistics
- Cf. QC793.3.S77 Statistical mechanics of elementary particles

- Atomic physics. Constitution and properties of matter
- Quantum theory. Quantum mechanics
- Quantum statistics -- Continued
- 174.4.A1 Periodicals, societies, congresses, serial publications
- 174.4.A2 Collected works (nonserial)
- 174.4.A6-Z General works, treatises, and textbooks
- 174.42 Addresses, essays, lectures
- 174.43 Special aspects of the subject as a whole
- Quantum field theory
- Cf. QC679+ Quantum electrodynamics
- Cf. QC793.3.M36 Matrix theories of elementary particles
- 174.45.A1 Periodicals, societies, congresses, serial publications
- 174.45.A2 Collected works (nonserial)
- 174.45.A6-Z General works, treatises, and textbooks
- 174.46 Addresses, essays, lectures
- 174.52.A-Z Special topics, A-Z
- 174.52.A43 Algebra of currents
- Cf. QC793.3.A4 Elementary particle physics
- 174.52.C66 Conformal invariants
- 174.52.D43 Degree of freedom
- 174.52.F8 Functional analysis
- 174.52.K56 Knot theory
- 174.52.L6 Lorentz transformations
- 174.52.O6 Operator theory
- 174.52.P37 Path integrals
- 174.52.S32 Scattering
- 174.52.S94 Symplectic manifolds
- 174.52.Y36 Yang-Baxter equation
- 174.52.Y37 Yang-Mills theory
- Statistical physics
- Including statistical mechanics and dynamics
- Cf. QC311.5 Statistical thermodynamics
- Cf. QC793.3.S77 Elementary particle physics
- 174.7 Periodicals, societies, congresses, serial publications
- 174.8 General works, treatises, and textbooks
- 174.82 Addresses, essays, lectures
- 174.84 Special aspects of the subject as a whole
- Study and teaching. Research
- 174.842 General works
- 174.844 Problems, exercises, examinations
- 174.85.A-Z Special topics, A-Z
- 174.85.F47 Fermi liquid theory

Atomic physics. Constitution and properties of matter

Statistical physics

Special topics, A-Z -- Continued

174.85.H35

Hamiltonian systems

174.85.I8

Ising model

174.85.L38

Lattice theory

174.85.M43

Mean field theory

174.85.M64

Monte Carlo method

174.85.O6

Open systems

Cf. QC318.O63 Thermodynamics

174.85.P45

Percolation

174.85.P48

Phase space

Phase transformations see QC175.16.P5

174.85.P76

Probabilities

174.85.Q83

Quantum entropy

Cf. QC318.E57 Entropy (Thermodynamics)

174.85.R36

Random fields

174.85.R364

Random matrices

174.85.R37

Random walks

174.85.S34

Scaling

174.85.S46

Set theory

174.85.W85

Wulff construction

174.86.A-Z

Special types of statistical mechanics, A-Z

174.86.C6

Classical

174.86.N65

Nonequilibrium

174.9

Kinetic theory of matter

Kinetic theory of gases

Cf. QC702.5 Ionized gases

175.A1

Periodicals, societies, congresses, serial publications

175.A6-Z

General works, treatises, and textbooks

175.13

Special aspects of the subject as a whole

175.15

Study and teaching. Research

175.16.A-Z

Special topics, A-Z

175.16.B6

Boltzmann's distribution law

175.16.B65

Bose-Einstein gas

175.16.C6

Condensed gases

175.16.E6

Electron gas

Joule-Thomson effect see QC318.J6

175.16.M6

Molecules

175.16.P5

Phase transformations

175.16.R3

Rarefied gases

QC

- Atomic physics. Constitution and properties of matter
- Statistical physics -- Continued
- Transport theory
- Cf. QC176.8.E9 Excitons
 - Cf. QC793.3.T7 Transport theory of elementary particles
 - Cf. QC809.E6 Energy budget (Geophysics)
- 175.2.A1 Periodicals, societies, congresses, serial publications
- 175.2.A6-Z General works, treatises, and textbooks
- 175.23 Addresses, essays, lectures
- 175.25.A-Z Special topics, A-Z
- 175.25.C6 Collision integrals
- 175.25.I6 Invariant imbedding
- 175.25.L5 Linear transport theory
- 175.25.R3 Radiative transfer
- 175.25.S4 Second sound
- 175.25.S8 Stochastic processes
- Kinetic theory of liquids
- 175.3 General works, treatises, and textbooks
 - 175.32 Addresses, essays, lectures
 - 175.35 Special aspects of the subject as a whole
 - 175.36.A-Z Special topics, A-Z
 - 175.36.R4 Relativity
- Superfluid physics
- Cf. QC611.9+ Superconductivity
- 175.4.A1 Periodicals, societies, congresses, serial publications
- 175.4.A6-Z General works, treatises, and textbooks
- 175.45 Addresses, essays, lectures
- 175.47.A-Z Special topics, A-Z
- 175.47.B65 Bose-Einstein condensation
- Solids. Solid state physics
- Class here works on solids, including works that also deal in part with crystals.
 - For works that deal exclusively with crystals see QD901+
 - Cf. QD478 Solid state chemistry
 - Cf. TN689+ Physical metallurgy
- 176.A1 Periodicals, societies, congresses, serial publications
- 176.A3 Dictionaries and encyclopedias
- 176.A6-Z General works, treatises, and textbooks
- 176.2 Addresses, essays, lectures
- 176.3 Juvenile works
- Study and teaching. Research

Atomic physics. Constitution and properties of matter

Solids. Solid state physics

Study and teaching. Research -- Continued

- 176.5 General works
 176.515 Problems, exercises, examinations
 176.52.A-Z By region or country, A-Z
 176.8.A-Z Special topics, A-Z
 176.8.A3 Acoustic properties
 Cf. TA418.84 Engineering materials
 176.8.A35 Adhesion
 176.8.A44 Amorphous substances
 176.8.A54 Anderson model
 176.8.A6 Annealing
 176.8.C45 Channeling
 176.8.C6 Compressibility
 176.8.D5 Diffusion
 Elastic properties see QC191
 176.8.E35 Electric properties
 176.8.E4 Electronic states
 176.8.E9 Excitons
 176.8.E94 Expansion
 176.8.F4 Fermi surface
 176.8.F74 Free electron theory of metals
 Hole burning, Optical see QC176.8.O58
 176.8.H66 Hopping conduction
 176.8.L3 Lattice dynamics
 Cf. QD921+ Crystal structure
 176.8.M3 Magnetic properties
 176.8.M46 Mesoscopic phenomena
 176.8.M48 Metal-insulator transitions
 176.8.M5 Micromechanics
 176.8.N35 Nanostructures
 Noncrystalline solids see QC176.8.A44
 176.8.N65 Nonmetallic solids
 176.8.O58 Optical hole burning
 176.8.O6 Optical properties
 176.8.P45 Phase transformations
 176.8.P5 Phonons
 176.8.P54 Plasma effects
 176.8.P55 Plasmons
 176.8.P6 Polaritons
 176.8.P62 Polarons
 176.8.Q35 Quantum wells
 176.8.R3 Radiation effects
 176.8.R35 Rare gas solids
 176.8.S68 Spin glasses

- Atomic physics. Constitution and properties of matter
- Solids. Solid state physics
- Special topics, A-Z -- Continued
- 176.8.S72 Sputtering
- 176.8.S8 Surface properties
Cf. QD506+ Surface chemistry
Cf. TA418.7+ Surface technology
- 176.8.T4 Thermal properties
Cf. QC295 Specific heat
Cf. TA418.52+ Engineering materials
- 176.8.T8 Tunneling
- 176.8.V34 Valence fluctuations
- 176.8.W3 Wave propagation
- Thin films
- 176.82 Periodicals, societies, congresses, serial publications
- 176.825 Collected works (nonserial)
- 176.83 General works, treatises, and textbooks
- 176.835 Addresses, essays, lectures
- 176.84.A-Z Special topics, A-Z
- 176.84.D54 Diffusion
- 176.84.E5 Electric properties
- 176.84.M3 Magnetic properties
- 176.84.O7 Optical properties
- 176.84.R3 Radiation effects
- 176.84.S49 Size effects
- 176.84.S93 Surface properties
- 176.9.A-Z Special thin film substances and types, A-Z
- 176.9.M84 Multilayered
- 176.9.N64 Nonmetallic
- 176.9.O73 Organic
- 176.9.P64 Polycrystalline
- 176.9.R37 Rare earths
- 176.95.A-Z Special substances, A-Z
- 176.95.I25 Ice
Cf. QC926.3+ Snow
- 177 Theories of ether
- 178 Theories of gravitation
Including antigravity, quantum gravity
- 179 Gravitational waves. Gravitational radiation
- Special properties of matter and antimatter
- 182 Absorption and adsorption
Cf. QC162 Adsorption and absorption of gases

- Atomic physics. Constitution and properties of matter
 Special properties of matter and antimatter --
 Continued
- 183 Capillarity
 Including surface tension, cohesion
 Cf. QA274.75 Brownian motion processes
 Cf. QD506+ Surface chemistry
- 184 Brownian motion
- 185 Diffusion. Transpiration
 Cf. QA274.75 Diffusion processes
 Cf. QC145.4.D5 Diffusion in liquids
 Cf. QC163.5 Diffusion in gases
 Cf. QC176.8.D5 Diffusion in solids
- Osmosis (Cytology) see QH615
 Osmosis (Physical chemistry) see QD543
 Osmosis (Plant physiology) see QK871
- Viscosity
 Cf. QC145.4.V5 Viscosity of liquids
 Cf. QC167 Viscosity of gases
- 189.A1 Periodicals, societies, congresses, serial publications
- 189.A2 Collected works (nonserial)
- 189.A6-Z General works, treatises, and textbooks
- 189.2 Handbooks, tables, formulas, etc.
- Rheology
 Including non-Newtonian liquids
 Cf. QA931+ Plasticity (Analytic mechanics)
 Cf. TA418.14+ Plastic properties of materials
 Cf. TP156.R45 Chemical engineering
- 189.5.A1 Periodicals, societies, congresses, serial publications
- 189.5.A2 Collected works (nonserial)
- 189.5.A6-Z General works, treatises, and textbooks
- 189.8 Thixotropy
- 191 Elastic properties of solids
 Cf. QA931+ Analytic mechanics
 Cf. QD933 Crystallography
 Cf. TA418+ Mechanical properties of materials
- 192 Thermal properties
- 193 Deformation
- 197 Friction, etc.
 Cf. TA418.72 Friction properties of materials
- Sound, light, and heat as a whole
- 220 General works
- 220.5 Acoustooptics

- Acoustics. Sound
- Cf. ML3805 Music acoustics
 - Cf. NA2800 Architectural acoustics
 - Cf. QC176.8.A3 Acoustical properties of solids
 - Cf. QP460+ Bioacoustics
 - Cf. TA365+ Acoustics in engineering
 - Cf. TA418.84 Acoustical properties of materials
 - Cf. TH1725 Soundproof construction
 - Cf. TK5981+ Electroacoustics
- 221 Periodicals, societies, congresses, serial publications
- 221.5 Dictionaries and encyclopedias
- 221.7 History
- 222 Early works through 1800
- 223 Mathematical theory
General works, treatises, and advanced textbooks
- 225 1801-1969
- 225.15 1970-
- 225.2 Elementary textbooks
- 225.3 Popular works
- 225.5 Juvenile works
- 225.6 Addresses, essays, lectures
- 225.7 Special aspects of the subject as a whole
Study and teaching. Research
- 226 General works
- 226.6 Experiments
- 227 Laboratory manuals
Laboratories
- 228.A1 General works
- 228.A3-Z By region or country, A-Z
Subarrange each country by Table Q6
- 228.2 Technique
- 228.3 Instruments and apparatus
- 228.8 Handbooks, tables, formulas, etc.
- 229 Miscellany and curiosa
Special topics
- 231 Kinematics of vibrations and wave motion
- 233 Propagation of sound
Including velocity, reflection, transmission
Vibrations
- 235 Gases in tubes, etc. Resonance
- 241 Strings, rods, membranes, plates, tuning forks
Underwater acoustics
Cf. TK5103.52 Acoustical telecommunication systems
- 242 Periodicals, societies, congresses, serial publications

Acoustics. Sound

Special topics

Underwater acoustics -- Continued

242.2 General works, treatises, and textbooks

242.25 Addresses, essays, lectures

242.4 Instruments and apparatus

Cf. TK5987 Hydrophone design and construction

242.5.A-Z Special topics, A-Z

242.5.O23 Ocean tomography

Sound waves

Cf. TD894 Noise measurement

242.8 Periodicals, societies, congresses, serial publications

243 General works, treatises, and textbooks

243.2 Juvenile works

243.3.A-Z Special topics, A-Z

243.3.A25 Acoustic streaming

243.3.A4 Amplitude

243.3.D3 Damping

243.3.D53 Diffraction

243.3.E5 Energy

243.3.P7 Pressure of sound

243.3.R3 Radiation pressure

243.3.R4 Reverberation. Reverberation time
Cf. NA2800 Architectural acoustics

243.3.S3 Scattering

Transmission see QC233

243.5 Infrasonics

244 Ultrasonics

Cf. QC480.2 Sonoluminescence

Cf. TA417.4 Ultrasonic testing

244.2 Nonlinear acoustics

244.5 Acoustic holography

246 Analysis of sounds. By phonograph, etc.
For acoustic phonetics see P221.5

Heat

For thermal properties of solids see QC176.8.T4

Cf. QC220+ Sound, light, and heat as a whole

251 Periodicals, societies, congresses, serial publications

251.4 Collected works (nonserial)

251.6 Dictionaries and encyclopedias

252 History and philosophy

252.2 Nomenclature, terminology, notation, abbreviations

253 Early works through 1800

Heat -- Continued

- General works, treatises, and advanced textbooks
- 254 1801-1969
- 254.2 1970-
- 255 Elementary textbooks
- 256 Juvenile works
- 257 Addresses, essays, lectures
- Study and teaching. Research
 - For programmed texts see QC254+
- 261 General works
- 261.5 Problems, exercises, examinations
- 263 Experiments
- 263.5 Laboratory manuals
- 265 Technique
- 266 Handbooks, tables, formulas, etc.
- 267 Miscellany and curiosa
- Thermometers. Thermometry
 - Including temperature measurements and temperature measuring instruments
 - Cf. GC177 Oceanographic instruments
- 270 Periodicals, societies, congresses, serial publications
- 270.5 Collected works (nonserial)
- 270.7 Dictionaries and encyclopedias
- 271 General works, treatises, and textbooks
- 271.4 Juvenile works
- 271.5 Addresses, essays, lectures
- 271.6 Special aspects of the subject as a whole
- 271.8.A-Z Special aspects of instrumentation, A-Z
 - 271.8.A95 Automatic control
 - 271.8.C3 Calibration
 - 271.8.T4 Testing
- Special types of thermometers
 - 272 Mercury and other liquids
 - 273 Air and gases
 - 274 Electrical. Resistance thermometers. Thermocouples
- 275.A-Z Other, A-Z
- High temperatures
 - 276 General works
 - 277 Pyrometers and pyrometry
- Low temperatures
 - Cf. QD536 Thermochemistry
 - Cf. TP480+ Low temperature engineering
- 277.9 Periodicals, societies, congresses, serial publications
- 278 General works, treatises, and textbooks

Heat

Low temperatures -- Continued

278.2

Juvenile works

278.4

Addresses, essays, lectures

278.6

Instruments and apparatus

High pressure

280

Periodicals, societies, congresses, serial
collections

280.2

General works, treatises, and textbooks

280.4

Study and teaching. Research

280.6

Technique

280.8

Instruments and apparatus

Relations between pressure, volume, and
temperature

281

General works

281.5.A-Z

Special topics, A-Z

281.5.C6

Compressibility

281.5.E9

Expansion

(282)

Solids

see QC176+

(284)

Liquids

see QC138+

(286)

Gases

see QC161+

Calorimeters and calorimetry

Cf. QD510+ Thermochemistry

Cf. TP315+ Fuel (Chemical technology)

290

Periodicals, societies, congresses, serial
publications

291

General works, treatises, and textbooks

292

Addresses, essays, lectures

293.A-Z

Special types of calorimeters, A-Z

293.A3

Adiabatic

293.F5

Fluid

293.F8

Fuel

293.G3

Gas

293.M5

Microcalorimeter

293.R3

Radiation

293.V3

Vacuum

295

Specific heat of solids and liquids

297

Specific heat of gases and vapors

Change of state

301

General works, treatises, and textbooks

303

Fusion and solidification. Heat of fusion

Heat

- Change of state -- Continued
- 304 Saturated vapors. Vapor pressure.
Evaporation. Ebullition. Heat of vaporization
Cf. QC915.5+ Meteorology
Cf. QD533 Vapor densities
Cf. QD535 Liquefaction of gases
- 307 Continuity of state. Critical state. Critical point. Equations of state
- 309 Vaporization of solids. Sublimation
- 310 Heat of formation, solution, wetting, etc.
Cf. QD516 Thermochemistry
- Thermodynamics
Cf. QC718.5.T5 Plasma physics
Cf. QD510+ Chemical thermodynamics
Cf. TJ255+ Heat engines. Engineering thermodynamics
Cf. TN689+ Metallurgical thermodynamics
- 310.15 Periodicals, societies, congresses, serial publications
- 310.2 Collected works (nonserial)
- 310.3 Dictionaries and encyclopedias
- 310.5 Nomenclature, terminology, notation, abbreviations
- 311 General works, treatises, and advanced textbooks
- 311.15 Elementary textbooks
- 311.19 Addresses, essays, lectures
- 311.2 Special aspects of the subject as a whole
Study and teaching. Research
- 311.25 General works
- 311.28 Problems, exercises, examinations
- 311.29 Data processing
- 311.3 Handbooks, tables, formulas, etc.
Special types of thermodynamics
- 311.5 Statistical
- 311.7 Relativistic
- 312 Mechanical equivalent of heat
- 318.A-Z Other special topics, A-Z
- 318.E55 Enthalpy
- 318.E57 Entropy
Cf. QC174.85.Q83 Quantum entropy
Equilibrium thermodynamics see QC318.T47
Force and energy see QC71.82+
Gases see QC167.5+

Heat

Thermodynamics

Other special topics, A-Z -- Continued

318.I7

Irreversible processes

Including nonequilibrium thermodynamics

Cf. QC174.17.I76 Quantum theory

318.J6

Joule-Thomson effect

Low temperatures see QC277.9+

318.M3

Mass transfer

318.M35

Maxwell's demon

Nonequilibrium thermodynamics see QC318.I7

318.O63

Open systems

318.P6

Planck radiation law

318.T47

Thermodynamic equilibrium

318.T5

Thermodynamic potentials

319

Miscellany and curiosa

Heat transfer

319.8

Periodicals, societies, congresses, serial publications

319.9

Collected works (nonserial)

320

General works, treatises, and textbooks

320.14

Juvenile works

320.16

Addresses, essays, lectures

320.2

Special aspects of the subject as a whole

320.22.A-Z

Special topics, A-Z

320.22.E4

Electromechanical analogies

320.22.E43

Electronic data processing

320.22.F5

Film boiling

Study and teaching. Research

320.3

General works

320.34

Problems, exercises, examinations

320.36

Experiments

320.38

Instruments and apparatus

320.4

Handbooks, tables, formulas, etc.

Conduction

320.8

Periodicals, societies, congresses, serial publications

321

General works, treatises, and textbooks

321.3

Juvenile works

321.5

Addresses, essays, lectures

321.6

Special aspects of the subject as a whole

321.7.A-Z

Special topics, A-Z

321.7.E4

Electromechanical analogies

321.7.T55

Thermal diffusivity

323

Experiments

Convection

Cf. TH7435+ Heating of buildings

Heat

Heat transfer

Convection -- Continued

- 326 Periodicals, societies, congresses, serial publications
- 327 General works, treatises, and textbooks
- 327.4 Handbooks, manuals, etc.
- 328 Addresses, essays, lectures
- 330 Free convection
- 330.2 Bénard cells
- Radiation and absorption. Laws of cooling
- 331 General works
- Instruments
- 338 General works, treatises, and textbooks
- 338.5.A-Z Special, A-Z
- 338.5.B6 Bolometers
- 338.5.P95 Pyroelectric detectors
- 338.5.R3 Radiometers
- 338.5.R33 Radiomicrometers
- Thermopiles see QC274

Optics. Light

Cf. QC220+ Sound, light, and heat as a whole

Cf. QC494+ Color

Cf. QP474+ Physiological optics

Cf. TA1501+ Applied optics. Lasers

- 350 Periodicals, societies, congresses, serial publications
- 351 Collected works (nonserial)
- 351.2 Dictionaries and encyclopedias
- 351.5 Nomenclature, terminology, notation, abbreviations
- 352 History
- 353 Early works through 1800
- General works, treatises, and advanced textbooks
- 355 1801-1969
- 355.2 1970-2000
- 355.3 2001-
- 358 Elementary textbooks
- 358.5 Popular works
- 360 Juvenile works
- 361 Addresses, essays, lectures
- 362 Pictorial works and atlases
- Study and teaching. Research
- 363 General works
- 363.2 Outlines, syllabi
- 363.4 Problems, exercises, examinations
- 365 Experiments

- Optics. Light
- Study and teaching. Research -- Continued
- 366 Laboratory manuals
- 367 Optical measurements
- 368 Optical constants
- 369 Handbooks, tables, formulas, etc.
- 369.2 Miscellany and curiosa
- 370 Information theory in optics
- Optical instruments and apparatus (General)
- Cf. QC385+ Lens and mirror systems
- Cf. QC787.O6 Nuclear fission, atomic energy,
and radioactivity instruments
- Cf. TS510+ Optical instrument manufacture
- 370.5 Periodicals, societies, congresses, serial
publications
- 370.6 Collected works (nonserial)
- 370.7 Dictionaries and encyclopedias
- 371 General works, treatises, and textbooks
- 371.4 Juvenile works
- 371.5 Addresses, essays, lectures
- 372 Special aspects of the subject as a whole
- 372.2.A-Z Special topics, A-Z
- 372.2.D4 Design
- Study and teaching. Research
- 372.22 General works
- 372.24 Laboratory manuals
- 372.6 Handbooks, tables, formulas, etc.
- 373.A-Z Special instruments, A-Z
- 373.B3 Beam splitters
- 373.B55 Binoculars. Field glasses
- 373.C64 Collimators
- Diffraction gratings see QC417
- Field glasses see QC373.B55
- Hand lenses see QC373.M33
- 373.H5 Heliostat
- Interference microscopes see QH212.I5
- 373.K3 Kaleidoscopes
- 373.L5 Light filters
- 373.M33 Magnifying glasses. Hand lens
- Mass spectrometers see QC454.M3
- Microscopes see QH211+
- 373.O59 Optical detectors
- 373.P7 Polariscope
- Polarizing apparatus see QH217
- 373.Q2 Q-switching
- Reflectometer see QC425.4
- Refractometers see QC426.4

Optics. Light

Optical instruments and apparatus (General)

Special instruments, A-Z -- Continued

373.R4

Reticles

Scanning systems see TK7882.S3

373.S3

Schlieren apparatus

Including schlieren methods

373.S7

Spectrograph. Spectrometer

373.S8

Stereoscope

373.S85

Stroboscopes

Telemeter see TK399

Telescopes see QB88+

Materials for optical instruments, etc.

374

General works

374.5

Diamond

375

Glass

376

Quartz

378

Thin films

379

Miscellany and curiosa

Geometrical optics

Cf. QC974.5+ Meteorological optics

Cf. TR220 Photographic optics

380

Early works through 1800

381

General works, treatises, and advanced textbooks

381.2

Elementary textbooks

381.4

Popular works

381.6

Juvenile works

Study and teaching. Research

382

General works

382.2

Problems, exercises, examinations

382.6

Laboratory manuals

383

Mathematical theory

Lens and mirror systems

Cf. QB88+ Astronomical instruments

Cf. RE961 Ophthalmology

Cf. TC379 Lighthouse lenses

Cf. TP867 Mirrors and mirror frames

Cf. TR270+ Camera lenses

Cf. TS517.3+ Manufacture of optical surfaces

385

General works

385.2.A-Z

Special topics, A-Z

385.2.D47

Design

Cf. QC372.2.D4 Optical instrument design

385.5

Experiments

387

Refractive indices

Cf. QC426.4 Refractometers

389

Transmission of radiation

- Optics. Light -- Continued
- 391 Photometry. Microphotometry
Including densitometers
Cf. QB135 Astronomical photometry
Cf. TK4367 Electric light testing
Cf. TP754 Gas light testing
- Physical optics
- 392 Periodicals, societies, congresses, serial publications
- 393 Collected works (nonserial)
- 393.2 Dictionaries and encyclopedias
- 394 Early works through 1800
General works, treatises, and advanced textbooks
- 395 1801-1969
- 395.2 1970-
- 396 Elementary textbooks
- 397 Addresses, essays, lectures
- 397.5.A-Z Special topics, A-Z
- 397.5.I53 Images
- 397.5.O77 Optical losses
- Study and teaching. Research
- 398 General works
- 398.2 Problems, exercises, examinations
- Theories of light
- 401 General works
- 402 Corpuscular theory
Cf. QC446.15+ Quantum optics
- 403 Wave theory
Cf. QC669+ Electromagnetic theory
- 406 Miscellaneous speculations
- 407 Velocity of light
- Interference
Including Newton's rings, interferometer
Cf. QH212.I5 Interference microscopes
- 410.9 Periodicals, societies, congresses, serial publications
- 411 General works, treatises, and textbooks
- 411.4 Instruments and apparatus
- Diffraction
- 414.8 Periodicals, societies, congresses, serial publications
- 414.9 Collected works (nonserial)
- 415 General works, treatises, and textbooks
- 416 Addresses, essays, lectures
- 417 Instruments and apparatus
Including diffraction gratings
- Reflection

Optics. Light

Physical optics

Reflection -- Continued

- 425 General works
- 425.2 Juvenile works
- 425.4 Instruments and apparatus
Including reflectometers

Refraction

- 425.9 Collected works (nonserial)
- 426 General works, treatises, and textbooks
- 426.2 Juvenile works
- 426.4 Instruments and apparatus
Including refractometers
- 426.6 Handbooks, tables, formulas, etc.
- 426.8.A-Z Special topics, A-Z
- 426.8.D68 Double refraction

Scattering (General)

- 427 Periodicals, societies, congresses, serial
publications
- 427.4 General works, treatises, and textbooks
- 427.6 Handbooks, tables, formulas, etc.
- 427.8.A-Z Special topics, A-Z
- 427.8.C7 Critical opalescence
- 427.8.C73 Critical scattering
- 427.8.M5 Mie scattering
- 427.8.R3 Rayleigh scattering
- 427.8.S64 Speckle
Cf. TA1671+ Lasers and laser applications

Dispersion

- 431 General works
- 435 Anomalous dispersion
- 437 Incidence

Including grazing incidence

Polarization

- Cf. QD481 Stereochemistry
- Cf. TP382 Saccharimetry
- 440 Periodicals, societies, congresses, serial
publications
- 441 General works, treatises, and textbooks
- 442 Addresses, essays, lectures
- 443 Production and measurement
- 445 Rings and brushes of crystals
Cf. QD941 Optical properties of crystals
- 446.A-Z Other special topics, A-Z
- 446.D5 Dichroism

Nonlinear optics. Quantum optics

For maser and laser physics see QC685+

Optics. Light

Physical optics

Nonlinear optics. Quantum optics -- Continued

446.15 Periodicals, societies, congresses, serial publications

446.2 General works, treatises, and textbooks

446.3.A-Z Special topics, A-Z

446.3.C45 Chaos

446.3.O65 Optical bistability

446.3.O67 Optical phase conjugation

446.3.O68 Optical pumping

446.3.S67 Squeezed light

Magneto-optics see QC675+

(447) Electronic optics

see QC793.5.E62+

Fiber optics

Cf. TA1800+ Applied fiber optics

447.9 Periodicals, societies, congresses, serial publications

448 General works, treatises, and textbooks

448.2 Addresses, essays, lectures

Holography

Cf. HD9707.5.H34+ Holography industry

Cf. QC244.5 Acoustic holography

Cf. TA1540+ Applied holography

449 General works

449.3 Electron holography

449.5 Optical tomography

Spectroscopy

Class here general works on the theory of spectroscopy and works intended primarily for physicists, including the spectroscopy of all electromagnetic radiations

Class here also compilations of spectra of elements, groups of elements, organic and inorganic compounds

For works on the application of spectroscopy in analytical chemistry and theoretical works intended primarily for chemists, see QD95-QD96; QD272.S6

450 Periodicals, societies, congresses, serial publications

450.15 Collected works (nonserial)

450.3 Dictionaries and encyclopedias

450.5 History

451 General works, treatises, and textbooks

451.2 Pictorial works and atlases

Optics. Light

Spectroscopy -- Continued

- 451.4 Addresses, essays, lectures
- 451.6 Special aspects of the subject as a whole
- Study and teaching. Research
- 451.8 General works
- 451.82 Laboratory manuals
- 452 Data processing
- 452.5 Instruments and apparatus
- 453 Handbooks, tables, formulas, etc.
Including wavelength tables
- 454.A-Z Special types of spectra and spectroscopy, A-Z
- 454.A2 Absorption spectra
- 454.A25 Accelerator mass spectrometry
- Alpha ray spectroscopy see QC793.5.A22+
- 454.A7 Arc spectra
- 454.A8 Atomic spectroscopy
- Band spectra see QC454.M6
- 454.B39 Beam-foil spectroscopy
- Beta spectroscopy see QC793.5.B42+
- 454.B74 Broadband dielectric spectroscopy
- 454.C634 Collision spectroscopy
- 454.E4 Electron spectroscopy
- 454.E46 Emission spectroscopy
- 454.F6 Flame spectroscopy
- 454.F7 Fourier transform spectroscopy
- 454.F85 Frequency spectra
- Gamma spectroscopy see QC793.5.G32+
- 454.G3 Gas spectra
- 454.H33 Hadamard transform spectroscopy
- Hadron spectroscopy see QC793.5.H32+
- 454.H618 High resolution spectroscopy
- 454.H9 Hyperfine spectra
- In-beam gamma ray spectroscopy see
QC793.5.G32+
- Infrared spectrum see QC457
- 454.I5 Internal reflection spectroscopy
- 454.L3 Laser spectroscopy
- 454.L58 Level-crossing spectroscopy
- 454.L63 Light-beating spectroscopy
- Luminescence spectroscopy see QC476.6
- Magnetic resonance spectroscopy see QC762
- 454.M3 Mass spectroscopy
- 454.M32 Matrix isolation spectroscopy
- 454.M5 Microwave spectroscopy
- 454.M6 Molecular spectroscopy
- Mössbauer spectroscopy see QC491

Optics. Light

Spectroscopy

Special types of spectra and spectroscopy, A-Z

-- Continued

Neutron spectroscopy see QC793.5.N462+

Nuclear magnetic resonance spectroscopy see
QC762

454.N8

Nuclear spectroscopy

Cf. QC793.5.A22+ Particle spectra

454.O68

Optogalvanic spectroscopy

Particle spectra see QC793.5.A22+

454.P46

Photodetachment threshold spectroscopy

454.P48

Photoelectron spectroscopy

Plasma spectroscopy see QC718.5.S6

454.R3

Radiofrequency spectroscopy

454.R36

Raman spectroscopy

454.R4

Reflectance spectroscopy

454.R47

Resonance ionization spectroscopy

454.R5

Resonant ultrasound spectroscopy

Rotational spectra see QD481

Scintillation spectroscopy see QC491.5+

Solar spectroscopy (Meteorology) see QC910.2+

Solar spectroscopy (Optics) see QC455

454.S7

Spark spectroscopy

Time-of-flight mass spectroscopy see QC454.M3

454.T75

Tunneling spectroscopy

Ultraviolet spectroscopy see QC459+

454.V5

Vibrational spectra

X-ray spectroscopy see QC482.S6

454.Z44

ZEKE spectroscopy

455

Solar spectrum

Including wavelength measurements and maps

For works relating to the constitution and
physical condition of the sun see QB551

457

Infrared spectrum

Cf. TA1570 Infrared technology

Ultraviolet spectrum

Cf. TA1501+ Applied optics. Lasers

459

General works

459.5

Far ultraviolet spectrum

Spectra of special substances

462.A-Z

Special elements and groups of elements, A-Z
(Table Q1 modified)

462.C65

Colloids

462.M47

Metal vapors

462.M49

Metals

462.R2

Rare earths

- Optics. Light
- Spectroscopy
 - Spectra of special substances
 - Special elements and groups of elements, A-Z
 - Continued
 - Trace elements
 - Transition metals
 - Organic compounds
 - General works, treatises, and textbooks
 - Handbooks, tables, formulas, etc.
 - Special organic compounds, A-Z
 - Alcohols
 - Alkaloids
 - Amines
 - Anthracene and derivatives
 - Anthraquinones
 - Benzene
 - Biphenyl compounds
 - Carbohydrates
 - Chelates
 - Chlorophyll
 - Chroman
 - Coordination compounds
 - Essences and essential oils
 - Esters
 - Ethers and oxides
 - Fluorocarbons
 - Formaldehyde
 - Furans
 - Gums and resins
 - Heterocyclic compounds
 - Hydrocarbons
 - Imidazole
 - Indole alkaloids
 - Metal carbonyls
 - Naphthoquinone
 - Organometallic compounds
 - Organophosphorus compounds
 - Organosilicon compounds
 - Plasticizers
 - Polymers
 - Polyurethanes
 - Porphyrin
 - Proteins
 - Pyridines
 - Quinoline
 - Quinone

462.T85
462.T86

462.5
462.85
463.A-Z
463.A4
463.A47
463.A8
463.A84
463.A86
463.B4
463.B5
463.C3
463.C5
463.C54
463.C57
463.C78
463.E68
463.E69
463.E7
463.F55
463.F6
463.F8
463.G84
463.H4
463.H9
463.I44
463.I5
463.M38
463.N35
463.O7
463.O72
463.O73
463.P46
463.P5
463.P55
463.P6
463.P7
463.P92
463.Q5
463.Q54

Optics. Light

Spectroscopy

Spectra of special substances

Organic compounds

Special organic compounds, A-Z -- Continued

Resins see QC463.G84

Saccharides

Solvents

Steroids

Sulphur organic compounds

Surface active agents

Terpenes

Inorganic substances, A-Z

Alkali metal halides

Alkaline earth ferricyanides

Ammonia

Borates

Calcium fluoride

Carbon dioxide

Carbon disulphide

Ferroelectric crystals

Fused salts

Glass

Hydrides

Hydrochloric acid

Hydrogen fluoride

Mercury compounds

Metallic oxides

Mica

Nitrates

Nitric acid

Nitrogen dioxide

Nonmetallic minerals

Phosphates

Phosphorus compounds

Potassium hydride

Potassium phosphates

Quartz

Selenium compounds

Silicates

Silver chloride

Sodium halides

Sodium hydride

Sodium nitroferricyanide

Sulphur dioxide

Tellurium chlorides

Thallium chloride

463.S23

463.S72

463.S8

463.S9

463.S94

463.T4

464.A-Z

464.A43

464.A44

464.A47

464.B67

464.C34

464.C37

464.C375

464.F45

464.F87

464.G55

464.H93

464.H934

464.H936

464.M47

464.M48

464.M53

464.N57

464.N574

464.N577

464.N64

464.P44

464.P46

464.P68

464.P685

464.Q37

464.S45

464.S54

464.S546

464.S63

464.S635

464.S637

464.S94

464.T44

464.T54

QC

- Optics. Light
 - Spectroscopy
 - Spectra of special substances
 - Inorganic substances, A-Z -- Continued
 - 464.U73 Uranium compounds
 - 464.W37 Water
 - 464.Z57 Zirconium oxide
 - 465 Instruments and apparatus
 - Including absorptionmeter
 - 467 Structure of spectral lines. Effect of pressure. Stark effect, etc.
 - Cf. QC675.5.Z4 Zeeman phenomenon
 - Radiation physics (General)
 - Cf. QA935+ Wave propagation in elastic solids
 - Cf. QB531 Astronomy
 - Cf. QC191 Elastic properties of solids
 - Cf. QC331+ Thermal radiation
 - Cf. QC787.C6 Nuclear counters, etc.
 - Cf. QC793.5.A+ Radiation of special particles
 - Cf. QC910.2+ Solar radiation
 - Cf. QD601+ Radiation chemistry
 - Cf. QP82.2.R3 Physiological effect
- 474 Periodicals, societies, congresses, serial publications
 - 474.5 Collected works (nonserial)
 - 475 General works, treatises, and textbooks
 - 475.25 Juvenile works
 - 475.5 Study and teaching. Research
 - 475.6 Special aspects of the subject as a whole
 - 475.7 Technique
 - 475.8 Instruments and apparatus
 - 476.A-Z Special topics, A-Z
 - 476.C6 Coherence
 - Duality, Wave-particle see QC476.W38
 - 476.S6 Sources of radiation
 - 476.S86 Superradiance
 - 476.W38 Wave-particle duality
 - Cf. QC401+ Theories of light
- Luminescence
 - Cf. QC976.A3 Airglow
 - Cf. QD505.8 Chemiluminescence
- 476.4 Periodicals, societies, congresses, serial publications
 - 476.45 Collected works (nonserial)
 - 476.5 General works, treatises, and textbooks
 - 476.6 Luminescence spectroscopy

- Radiation physics (General)
 Luminescence -- Continued
 Luminescent materials. Phosphors.
 Scintillators
 Cf. QC787.S34 Scintillation counters
 476.7 General works
 476.75 Inorganic scintillators
 476.77 Organic scintillators
 Photoluminescence (General)
 476.8 General works
 Fluorescence
 477 General works
 477.2 Instruments and apparatus
 Including fluorimeters
 477.4 Sensitized fluorescence
 Phosphorescence
 Cf. QD79.P4 Phosphorimetry
 Cf. QH641 Bioluminescence
 Cf. TK454.4.P5 Phosphors (Electrical
 engineering)
 Cf. TK7871.15.P4 Phosphors (Electronics)
 477.8 Periodicals, societies, congresses, serial
 publications
 477.9 Collected works (nonserial)
 478 General works, treatises, and textbooks
 479 Thermoluminescence
 479.5 Cathodoluminescence
 480 Electroluminescence
 480.2 Sonoluminescence
 X-rays. Roentgen rays
 Cf. QB472+ X-ray astronomy
 Cf. QC710+ Discharges through gases
 Cf. QH212.X2 X-ray microscopes
 Cf. RC78+ Medical radiography
 Cf. RM845+ Radiotherapy
 Cf. TR750 Radiography (Photography)
 480.8 Periodicals, societies, congresses, serial
 publications
 480.9 Dictionaries and encyclopedias
 481 General works, treatises, and textbooks
 481.5 Instruments and apparatus
 Cf. RC78.5 Radiography
 Cf. RM862.5 Radiotherapy
 Cf. TR750 Applied photography
 482.A-Z Special topics, A-Z
 Crystallography see QD945
 482.D5 Diffraction

- Radiation physics (General)
 - X-rays. Roentgen rays
 - Special topics, A-Z -- Continued
 - 482.G68 Grenz rays
 - 482.P6 Polarization
 - 482.S3 Scattering
 - 482.S6 Spectroscopy
 - Study and teaching. Research
 - 482.2 General works
 - 482.3 Experiments
 - Electric radiations (General)
 - (483) see QC660.5+
 - 484 Blackbody radiation
 - Bremsstrahlung
 - 484.2 Periodicals, societies, congresses, serial publications
 - 484.3 General works, treatises, and textbooks
 - 484.5 Study and teaching. Research
 - 484.6.A-Z Special topics, A-Z
 - 484.6.I5 Inner Bremsstrahlung
 - Cosmic ray physics
 - Cf. QB463+ Nuclear astrophysics
 - Cf. QC770+ Nuclear physics
 - Cf. QC809.V3 Van Allen radiation belts
 - 484.8 Periodicals, societies, congresses, serial publications
 - 484.85 Collected works (nonserial)
 - 484.9 History
 - 485 General works, treatises, and textbooks
 - 485.4 Popular works
 - 485.42 Juvenile works
 - 485.5 Addresses, essays, lectures
 - 485.55 Special aspects of the subject as a whole
 - Observations. Data summaries
 - 485.57 General works, treatises, and textbooks
 - 485.575.A-Z By region or country, A-Z
 - 485.6 Technique
 - 485.7 Instruments and apparatus
 - Cf. QC785.5+ Nuclear instruments and apparatus
 - 485.75 Handbooks, tables, formulas, etc.
 - 485.8.A-Z Special topics, A-Z
 - 485.8.B8 Bursts
 - Cosmic ray particles see QC793.3.C6
 - 485.8.F6 Forbush decreases
 - 485.8.O7 Origin
 - 485.8.S5 Showers

Radiation physics (General)

Cosmic ray physics

Special topics, A-Z -- Continued

485.8.S8

Stars

485.8.V3

Variations, Diurnal, etc.

Including effects due to altitude,
longitude, etc.

485.9.A-Z

Special types, A-Z

485.9.A8

Atmospheric cosmic rays

485.9.G34

Galactic cosmic rays

485.9.P7

Primary cosmic rays

485.9.S4

Secondary cosmic rays

485.9.S6

Solar cosmic rays

485.9.U6

Underground cosmic rays

Other radiations

Alpha radiations see QC793.5.A22+

Beta rays see QC793.5.B42+

Cherenkov radiation

490.4

General works, treatises, and textbooks

Instruments and apparatus see QC787.C6

Gamma rays see QC793.5.G32+

Infrared rays. Infrared spectrometry see QC457

Radiation and spectra of isotopes see QC795.8.S6

491

Mössbauer effect. Mössbauer spectroscopy

Scintillation spectroscopy

491.5

Periodicals, societies, congresses, serial
publications

492

General works, treatises, and textbooks

Instruments and apparatus see QC787.S34

Van Allen radiation see QC809.V3

Color

Cf. BF789.C7 Psychology

Cf. ML3840 Music and color

Cf. QD113 Colorimetry in analytic chemistry

Cf. QD473 Color in relation to atomic
structure

Cf. QP483 Physiological effect

Cf. RM840 Phototherapy

Cf. TR510+ Color photography

Cf. TR977 Photomechanical color processes

494

Periodicals, societies, congresses, serial
publications

494.15

Collected works (nonserial)

494.2

Dictionaries and encyclopedias

494.3

Nomenclature, terminology, notation,
abbreviations

494.7

History

QC

Radiation physics (General)

Color -- Continued

- 494.8 Early works through 1800
- 495 General works, treatises, and advanced textbooks
- 495.15 Elementary textbooks
- 495.2 Pictorial works and atlases
- 495.3 Popular works
- 495.5 Juvenile works
- 495.7 Addresses, essays, lectures
- 495.8 Special aspects of the subject as a whole
- Study and teaching. Research
- 496 General works
- 496.15 Outlines, syllabi
- 496.3 Experiments
- 496.4 Laboratory manuals
- 496.6 Instruments and apparatus
Including colorimeters
- 496.8 Handbooks, manuals, etc.
- 496.9 Miscellany and curiosa

Electricity and magnetism

Cf. QC960.5+ Atmospheric electricity

Cf. TK1+ Electrical engineering

Electricity

Including works that deal collectively with
electricity and magnetismFor electric properties of solids see
QC176.8.E35

- 501 Periodicals, societies, congresses, serial
publications
- 503 Collected works (nonserial)
- 505 Dictionaries and encyclopedias
- 506 Philosophy. Theory
- 506.5 Nomenclature, terminology, notation,
abbreviations
- 507 History
- Biography
- 514 Collective
- 515.A-Z Individual, A-Z
e.g.
- 515.A6 Ampère
- 515.O4 Ohm
- Early works
- 516 Through 1700
- 517 1701-1850
- General works, treatises, and advanced textbooks
1851-1969
- 518 Treatises

Electricity and magnetism

Electricity

General works, treatises, and advanced textbooks
1851-1969 -- Continued

521 Descriptive and experimental works

522 1970-

523 Elementary textbooks

527 Popular works

527.2 Juvenile works

527.4 Addresses, essays, lectures

527.5 Special aspects of the subject as a whole

528.A-Z Special topics, A-Z

528.E4 Electromechanical analogies

Maxwell's equations see QC669+

528.V4 Vector theory

529 Handbooks, tables, formulas, etc.

Study and teaching. Research

For programmed texts see QC518+

530 General works

531 Outlines, syllabi

532 Problems, exercises, examinations

533 Experiments

534 Laboratory manuals

Electric measurements

Cf. TK275+ Electrical engineering

535 General works

536 Electric units

537 Standards

Laboratories

541.A1 General works

541.A3-Z By region or country, A-Z

Subarrange each country by Table Q6

Instruments and apparatus (General)

543 General works, treatises, and textbooks

544.A-Z Special instruments, A-Z

(544.A5) Ammeter

see QC645

(544.C3) Cathode ray tubes

see TK7871.73

Coils see QC645

544.C8 Current balance

Cyclotrons see QC787.C8

Decremeters see QC667

Electric meters see TK301+

544.E3 Electrodynamometer

544.E4 Electrometer

544.E45 Electophori

Electricity and magnetism

Electricity

Instruments and apparatus (General)

Special instruments, A-Z -- Continued

544.E5

Electrostatic lenses

544.G2

Galvanometer

(544.G3)

Gas tubes

see TK7871.8+

544.P5

Phonic wheel

544.P8

Potentiometer

544.Q3

Quadruple lenses

(544.V3)

Vacuum tubes

see TK7871.72+

561

Miscellany and curiosa

Electrostatics. Frictional electricity

Cf. QA825+ Attractions and potential

Cf. QC960.5+ Atmospheric electricity

Cf. TP156.E5 Electrostatic separation

570

Periodicals, societies, congresses, serial publications

571

General works, treatises, and textbooks

571.4

Juvenile works

571.5

Addresses, essays, lectures

Study and teaching. Research

572

General works

572.4

Experiments

573

Instruments and apparatus

Including frictional and induction machines

577

Electrocapillary phenomena

581.A-Z

Other topics, A-Z

581.E4

Electric charge and distribution

581.I5

Induction

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Cf. TK3401+ Electric insulation

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Cf. TK2805 Condensers (Dynamoelectric machinery)

Cf. TK7872.C65 Condensers (Electronics)

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Pyroelectricity

Cf. QD939 Electric properties of crystals

Cf. TK7872.O7 Oscillators

595.5

Piezoelectricity

Cf. TK7872.P54 Piezoelectric devices

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Cf. QC715.17 Photoferroelectric effect

Cf. QD939 Electric properties of crystals

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Cf. QC641 Alternating currents

Cf. QD551+ Electrolysis

Cf. TK454+ Electric circuits and networks

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see QC710+

Electric conductivity

Cf. TK3301+ Electric conductors

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Cf. QC761+ Magnetic induction

Cf. QC809.E15 Earth resistance

Cf. TK7872.R4 Electric resistors

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Class here general works on the physical
properties of semiconductor materialsFor works on semiconductor materials used
in electronic engineering see

TK7871.85+

Cf. QC176.8.E4 Solid-state electronics

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Superconductivity physics

Cf. QC175.4+ Superfluid physics

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Superconductivity physics -- Continued

- 611.92 General works, treatises, and textbooks
- 611.922 Juvenile works
- 611.924 Handbooks, tables, formulas, etc.
- Superconducting materials. Superconductors
 Cf. QC761.3 Superconducting magnets
 Cf. TK7872.C77 Cryoelectronic devices
 Cf. TK7872.S8 Engineering
 Cf. TK7895.C7 Cryotrons
- 611.94 Periodicals, societies, congresses,
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- 611.95 General works, treatises, and textbooks
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- 611.964.A-Z By region or state, A-Z
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- 611.97.F58 Fluctuations
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- 611.97.T54 Thermal properties
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- 611.98.C47 Ceramic superconductors
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 - 611.98.D57 Dirty superconductors
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 - 611.98.Z56 Zinc
 - 612.A-Z Other special topics, A-Z
 - 612.H3 Hall effect
 - Cf. TK7872.H3 Hall effect devices
 - 612.P5 Photoconductivity
 - Cf. TK8330+ Photoconductive cells
 - 612.P6 Potential barrier
 - 612.S6 Skin effect
 - Superconductivity see QC611.9+
 - 613 Electric resonance
 - Cf. QC762 Nuclear magnetism
 - Cf. QC794.6.R4 Nuclear interaction
 - 615 Measurements of currents
 - Including ammeters, voltmeters
 - 618 Electromotive force
 - Including voltmeters
 - Thermoelectricity. Thomson effect. Peltier effect
 - Cf. TK2950+ Applied thermoelectricity
 - 621 General works
 - 623 Heating effects of currents
 - 625 Electrokinetics

Electricity and magnetism

Electricity -- Continued

Electrodynamics

Cf. QA920 Magnetohydrodynamic theory

Cf. QC717+ Ion flow dynamics

Cf. QC718.5.M36 Magnetohydrodynamics (Plasma physics)

Cf. QC809.E55 Geophysics

630 Periodicals, societies, congresses, serial publications

630.15 Collected works (nonserial)

630.2 Dictionaries and encyclopedias

630.5 History

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631.3 Special aspects of the subject as a whole

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631.7 General works

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638 Inductance. Induction

641 Alternating currents (Theory)

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Cf. TK2711+ Alternating current machinery

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642.5 Periodicals, societies, congresses, serial publications

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643.7.A-Z Special topics, A-Z

643.7.D5 Discharge

643.7.P7 Pressure

645 Electric coils

Including induction coils

Cf. TK2391 Electric coils (Dynamoelectric machinery)

Cf. TK2805 Condensers (Dyanmoelectric machinery)

Cf. TK7872.C56 Electronics

648 Vacuum polarization

Electric oscillations. Electric waves

Including electromagnetic waves

Cf. QB460+ Astrophysics

Cf. QC809.E55 Cosmic electrodynamics

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661 General works, treatises, and textbooks

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Aberrations and moving media

Cf. QB163 Correction of astronomical observations

Electrooptics (General)

Cf. TA1750+ Applied electrooptics

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673.5.A-Z

Special topics, A-Z

673.5.K4

Kerr effect

Magnetooptics (General)

675

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675.5.A-Z

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675.5.F3

Faraday effect

675.5.Z4

Zeeman effect

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Microwave optics (General)

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Radio waves (Theory)

Cf. QC972.6+ Radio meteorology

Cf. TK6540+ Radio engineering

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676.7.S3

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676.7.S35

Scintillation

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Cf. QC718.5.M5 Plasma physics

Cf. TK7871.4 Masers

Cf. TK7876+ Electronics

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Quantum electrodynamics

Cf. QC793.3.E4 Elementary particle physics

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Cf. TA1671+ Lasers

Cf. TK7871.4 Masers

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Free electron lasers

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Semiconductor lasers

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Field emission

Electric discharge

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Ions. Ionization. Thermionic emission

(General)

Cf. QC972.6+ Radio meteorology

Cf. QD561+ Electrochemistry

Cf. QD601+ Radiochemistry

701.7

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702

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702.3

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Cf. QC787.I6 Ionization chambers

702.5

Ionization of specific gases, liquids, etc.

702.7.A-Z

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702.7.A9

Auger effect

702.7.B65

Bombardment

702.7.E38

Electron impact ionization

702.7.E4

Emission, Secondary ion

702.7.H42

Heavy ions

702.7.I55

Ion implantation

702.7.I57

Ion swarms

Magnetic ions see QC754.2.M333

702.7.M84

Multiply charged ions

702.7.N4

Negative ions. Anions

702.7.P48

Photoionization

Class here works on the physics of ionization produced by photons of light, X-rays or gamma rays.

For general works on chemical and physical aspects of photoionization see QD716.P48

702.7.P6

Positive ions

702.7.R4

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702.7.S3

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702.7.T73

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Spark discharge (General)

Cf. QC454.A+ Spectra of special elements

Cf. QC966+ Lightning

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703.5

Breakdown of spark

703.7

Exploding wire phenomenon

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Arc discharge

Cf. TK4311+ Arc lighting

Electric discharge through gases

Including cathode rays, canal rays

Cf. QC480.8+ X-rays

Cf. QC793.5.E62+ Electron emission

Cf. TK7871.7+ Electron tubes

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711.8.A34

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711.8.B7

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711.8.D5

Dissociation

711.8.G5

Glow discharge

711.8.P6

Polarization

711.8.R35

Radio frequency discharges

Photoelectricity. Photoelectric cells

Including other effects of light, X-rays, etc., on discharge

Cf. QC391 Photometry

Cf. QC793.5.P42+ Photons

Cf. QC794.8.P4 Photonuclear interactions

Cf. QD701+ Photochemistry

Cf. TK8300+ Optoelectronic devices.

Photoelectronic devices

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715.15

Photoemission

715.17

Photoferroelectric effect

715.2

Photoelectric properties of special substances

Including sensitivity

Electricity and magnetism

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Photoelectricity. Photoelectric cells --

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715.4

Photoelectric cells

Including photovoltaic effect

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717.5.A-Z

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Ionic mobility

Plasma physics. Ionized gases

Cf. QA920 Magnetohydrodynamics

Cf. QC790.95+ Nuclear fusion

Cf. QC809.P5 Plasma (Cosmic physics)

Cf. TA2001+ Plasma engineering

Cf. TK2970 Magnetohydrodynamic generators

Cf. TL783.6 Plasma rockets

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Collisions with matter see QC718.5.P5

Collisions with particles see QC718.5.P55

Conductivity see QC718.5.T7

718.5.C65

Confinement

Controlled fusion see QC791.7+

718.5.C9

Cyclotron waves

718.5.D38

Dense plasma focus

718.5.D4

Density

718.5.D5

Diagnostics

Diffusion see QC718.5.T7

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Drift

718.5.D84

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718.5.D9

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718.5.E37

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718.5.E4

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718.5.E45

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Electron oscillations and resonances see
QC718.5.W3

718.5.E48

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718.5.E66

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Kinetics see QC718.5.T5

718.5.L3

Laser-produced plasmas

718.5.L6

Low temperature

718.5.M3

Magnetic fields

718.5.M36

Magnetohydrodynamics

Including plasma accelerators

Cf. QA920 Magnetohydrodynamic theory

718.5.M5

Microwaves

718.5.N4

Neutrality

Including nonneutrality

Nonequilibrium see QC718.5.E66

718.5.O6

Optical phenomena

Oscillations see QC718.5.W3

718.5.P45

Pinch effect

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718.5.P5

Plasma reactions with matter

718.5.P55

Plasma reactions with particles

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Plasmoids

718.5.Q17

Q-machines

718.5.R3

Radiation

718.5.S4

Sheaths

Cf. TL3028 Space vehicle communication systems

Shock waves see QC718.5.W3

718.5.S6

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718.5.S7

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Including instability

718.5.S78

Statistical behavior

718.5.S83

Strongly coupled plasmas

718.5.T5

Thermodynamics

718.5.T7

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718.5.T8

Turbulence

Velocity see QC718.5.T7

718.5.W3

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Physics of electrons, protons, and other particles

see QC793+

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Cf. QB462.8 Cosmic magnetic fields

Cf. QC176.8.M3 Solid-state physics

Cf. QC718.5.M36 Plasma physics

Cf. QC811+ Geomagnetism

Cf. QD591 Magnetochemistry

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Periodicals, societies, congresses, serial publications

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Early works through 1800

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Recreations

Including amateur experiments

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754.2.A-Z

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754.2.B35

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754.2.H9

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Cf. QC809.M25 Cosmic magnetism

754.2.M32

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754.2.M33

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Cf. QC753.8 Amateur experiments

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755.675.H9

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Wiggler magnets

Electromagnetism. Electromagnetics

Cf. QH656 Magnetic fields (Cytology)

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Electromagnets

Cf. QC787.C3 Calutrons

Cf. TJ1366 Lifting magnets

Cf. TK454.4.E5 Electrical engineering

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Superconducting magnets

Paleomagnetism see QE501.4.P35

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Cf. QC766.F3 Ferrites

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762.6.A-Z

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Nuclear and particle physics. Atomic energy.

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Cf. UG1282.A8 Atomic bombs

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774.A3-Z

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Elementary textbooks

778

Popular works

778.5

Juvenile works

780

Addresses, essays, lectures

782

Special aspects of the subject as a whole

782.5.A-Z

Special topics, A-Z

782.5.P4

Photography

Cf. QC787.N78 Nuclear emulsions

783

Handbooks, tables, formulas, etc.

Data processing

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Data processing -- Continued
 783.3 General works, treatises, and textbooks
 783.4 Laboratory manuals
 783.5 Pictorial works and atlases
 Study and teaching
 783.8 General works
 783.85 Problems, exercises, examinations
 784 Laboratory manuals
 784.5 Atomic and nuclear measurements
 Including atomic units
 Instruments and apparatus
 785.5 Periodicals, societies, congresses, serial
 publications
 785.7 Collected works (nonserial)
 786 General works, treatises, and textbooks
 786.2 Addresses, essays, lectures
 Nuclear reactors for research. Reactor physics
 Cf. TK9202+ Nuclear reactor engineering
 786.4 Periodicals, societies, congresses, serial
 publications
 History
 786.42 General works
 786.43.A-Z By region or country, A-Z
 786.45 Directories
 786.5 General works, treatises, and textbooks
 786.55 Addresses, essays, lectures
 786.6.A-Z Special topics, A-Z
 Accidents see TK9001+
 786.6.C6 Computer programs
 786.6.D4 Design and construction
 Fuel elements see TK9360+
 786.6.K5 Kinetics
 786.6.P68 Power distribution
 786.6.S73 Statistical methods
 786.6.T4 Thermal neutrons
 Cf. QC793.5.T42+ Elementary particle
 physics
 Study and teaching. Research
 786.7 General works
 786.75 Experiments
 786.8 Handbooks, tables, formulas, etc.
 787.A-Z Other instruments, A-Z
 787.B4 Betatrons
 Bevatron see QC787.S9
 787.B8 Bubble chambers

Nuclear and particle physics. Atomic energy.

Radioactivity

Instruments and apparatus

Other instruments, A-Z -- Continued

- 787.C3 Calutrons
- 787.C56 Cloud chambers
- 787.C58 Coincidence circuits
- Cold cathode tubes see TK7871.84.C6
- 787.C59 Colliders
- 787.C6 Counters
 - Cf. TK9180 Nuclear engineering
- 787.C8 Cyclotrons
- 787.D35 Damping rings
- 787.D74 Drift chambers
- 787.E39 Electron accelerators
- 787.E4 Electrostatic accelerators
- 787.E42 Electrostatic analyzers
- 787.G32 Gamma ray detectors
- 787.G34 Gas calorimeters
- 787.G4 Geiger-Müller counters
- 787.H53 High-brightness accelerators
- 787.I6 Ionization chambers
- 787.K55 Klystrons
- 787.L5 Linear accelerators
- 787.L53 Linear colliders
- 787.M3 Magnetic analyzers
- 787.N78 Nuclear emulsions
- 787.N83 Nuclear track detectors
- 787.O6 Optical instruments
- 787.P3 Particle accelerators (General)
 - Cf. TK9340 Nuclear engineering
- 787.P34 Particle analyzers
- Photoelectric multipliers see TK8314
- 787.P46 Photon detectors
- 787.P69 Proportional counters
- 787.P7 Proton accelerators
- 787.P73 Proton antiproton colliders
 - Including proton synchrotron colliders
- 787.P8 Pulse height analyzers
- 787.R43 Recirculating electron accelerators
- 787.S3 Scanning systems
- 787.S34 Scintillation counters
- 787.S4 Sector focused cyclotrons
- 787.S45 Self-quenching counters
- 787.S55 Spark chambers
- 787.S6 Spectrometer
- 787.S8 Storage rings

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Instruments and apparatus
 Other instruments, A-Z -- Continued
- 787.S83 Supercolliders
 Including Superconducting Super Collider
- 787.S85 Synchrocyclotrons
- 787.S9 Synchrotrons
- 787.T35 Targets
- 787.V3 Van de Graaff generators
- 787.V45 Vertex detectors
- Research
 Including laboratories and projects
- 788 General works
- 789.2.A3-Z By region or country, A-Z
 Subarrange each country by Table Q6
- Nuclear fission
- 789.7 Periodicals, societies, congresses, serial
 publications
- 790 General works, treatises, and textbooks
- 790.3 Addresses, essays, lectures
- 790.4.A-Z Special topics, A-Z
- 790.4.A6 Angular distribution
 Delayed neutrons see QC793.5.D42+
- 790.4.E6 Energy loss
- 790.4.F5 Fission products (General)
 Neutron transport theory see QC793.3.T7
- 790.4.P4 Photofission
- 790.4.P5 Pile theory
- 790.4.S9 Symmetrical fission
- 790.6 Instruments and apparatus
- 790.8.A-Z Fission of specific elements, A-Z (Table Q1)
- Nuclear fusion
- Cf. UG1282.A8 Hydrogen bomb
- 790.95 Periodicals, societies, congresses, serial
 publications
- 790.97 Collected works (nonserial)
- 791 General works, treatises, and textbooks
- 791.4 Popular works
- 791.5 Juvenile works
- 791.6 Addresses, essays, lectures
- Controlled fusion
- 791.7 Periodicals, societies, congresses, serial
 publications
- 791.72 Collected works (nonserial)
- 791.725 Directories
- 791.73 General works, treatises, and textbooks

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Nuclear fusion
 Controlled fusion -- Continued
 791.735 Popular works
 791.74 Addresses, essays, lectures
 Study and teaching. Research
 791.745 General works
 By region or country
 United States
 791.75 General works
 791.755.A-Z By region or state, A-Z
 791.76.A-Z Other regions or countries, A-Z
 791.77.A-Z Special devices, A-Z
 791.77.S7 Stellarators
 791.775.A-Z Special topics, A-Z
 791.775.C64 Cold fusion
 791.775.L37 Laser fusion
 791.775.P44 Pellet fusion
 791.8.A-Z Other special topics, A-Z
 Neutron transport theory see QC793.3.T7
 Thermonuclear reactions see QC791.7+
- Atomic energy
 Cf. BR115.A83 Moral and religious aspects
 Cf. HD9698+ Economic aspects
 Cf. QC913.2.A8 Meteorological aspects
 Cf. TK9001+ Atomic power
- 791.9 Periodicals, societies, congresses, serial
 publications
 791.915 Collected works (nonserial)
 791.92 Dictionaries and encyclopedias
 Communication of information
 791.93 General works
 791.94 Information services
 Nuclear regulatory commissions
 791.948 General works
 791.95.A-Z By region or country, A-Z
 791.96 History
 791.98 Directories
 792 General works, treatises, and textbooks
 792.4 Popular works
 792.5 Juvenile works
 792.6 Addresses, essays, lectures
 792.7 Special aspects of the subject as a whole
 Including peaceful uses of atomic energy
 Study and teaching. Research
 792.72.A-.Z8 General works

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Atomic energy
 Study and teaching. Research -- Continued
 Catalogs of audiovisual materials
 By region or country
 United States
 General works
 By region or state, A-Z
 Other regions or countries, A-Z
 Laboratories
 General works
 By region or country, A-Z
 Subarrange each country by Table Q6
 Elementary particle physics
 Cf. QC170+ Structure of matter and other theories
- 792.72.Z9
 792.74
 792.76.A-Z
 792.78.A-Z
 792.79
 792.8.-Z
- 793
 Periodicals, societies, congresses, serial publications
 793.12 Collected works (nonserial)
 793.13 Philosophy
 793.15 Classification
 793.16 History
 793.2 General works, treatises, and advanced textbooks
 793.24 Elementary textbooks
 793.26 Popular works
 793.27 Juvenile works
 793.28 Addresses, essays, lectures
 793.29 Special aspects of the subject as a whole
 793.3.A-Z Special topics, A-Z
 793.3.A4 Algebra of currents
 Cf. QC174.52.A43 Quantum field theory
 793.3.A5 Angular momentum
 793.3.B4 Particle beams
 793.3.B5 Binding energy. Nuclear forces
 793.3.B6 Bootstrap theory
 793.3.C53 Charm
 793.3.C54 Chirality
 793.3.C56 Collective excitations
 793.3.C57 Color confinement
 793.3.C58 Conservation laws
 793.3.C6 Cosmic ray and ionospheric influences
 793.3.C67 Coupling constants
 793.3.D4 Decay. Lifetime
 793.3.D43 Degree of freedom
 793.3.D5 Diffraction
 793.3.D55 Diffusion

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Elementary particle physics
 Special topics, A-Z -- Continued
- 793.3.D9 Dynamics
 793.3.E4 Electrodynamics
 793.3.E45 Electromagnetism
 Electronic data processing see QC793.47.E4
 793.3.E5 Energy ranges
 Energy spectra see QC793.5.A22+
 Exciton theory see QC794.6.E9
 793.3.E93 Exotic nuclei
 793.3.F5 Field theories
 Flavor see QC793.3.Q37
 793.3.G38 Gauge fields
 Including gauge theories
 793.3.H44 Helicity
 793.3.H5 High energy physics
 Invariance see QC793.3.S9
 Ionospheric influences see QC793.3.C6
 Isospin see QC793.3.S6
 793.3.K5 Kinematics
 793.3.L53 Lie algebras
 Lifetime see QC793.3.D4
 Magnetic dipole moment see QC793.3.S6
 793.3.M3 Magnetic fields
 793.3.M36 Matrix theories
 Molecules, Nuclear see QC793.3.N82
 Momentum see QC793.3.S6
 Nuclear cluster theory see QC793.3.S8
 Nuclear emulsions see QC793.47.P4
 Nuclear forces see QC793.3.B5
 793.3.N8 Nuclear matter
 Nuclear models see QC793.3.S8
 793.3.N82 Nuclear molecules
 Nuclear orientation see QC793.3.S6
 793.3.N83 Nuclear shapes
 Particle accelerators see QC787.P3
 Particle beams see QC793.3.B4
 Phase shift see QC794.6.S3
 Photography. Nuclear emulsions see
 QC793.47.P4
 Polarization see QC794.6.S3
 Problem of many bodies see QC174.17.P7
 793.3.Q35 Quantum chromodynamics
 793.3.Q37 Quantum flavor dynamics
 Quantum theory see QC174.45+

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Elementary particle physics
 Special topics, A-Z -- Continued
- 793.3.R4 Regge trajectories
 Cf. QC174.17.G7 Group theory applied to quantum theory
 Relaxation see QC762.6.R44
 Renormalization theory see QC174.17.R46
 Resonance. Resonance integral see QC794.6.R4
 Scattering see QC794.6.S3
 Shapes, Nuclear see QC793.3.N83
- 793.3.S57 Space and time
 Cf. QC173.59.S65 Relativity physics
 Spectroscopy see QC454.N8
- 793.3.S6 Spin. Moments. Magnetic dipole moment.
 Nuclear orientation
- 793.3.S77 Statistical mechanics
- 793.3.S8 Structure
 Including nuclear models and nuclear cluster theory
- 793.3.S9 Symmetry. Invariance
 Cf. QC174.17.S9 Quantum theory
- 793.3.T67 Tracks
- 793.3.T7 Transitions see QC454.N8
- 793.3.V5 Transport theory
- 793.3.W3 Violations
- 793.3.W4 Wave mechanics
- 793.4 Weight diagrams
- 793.412 Study and teaching. Research
- 793.42 General works
- 793.46 Experiments
- 793.47.A-Z Problems, exercises, examinations
- 793.47.E4 Technique
- 793.47.P4 General works
- 793.47.S83 Special, A-Z
- 793.49 Electronic data processing
- 793.5.A-Z Photography. Nuclear emulsions
- 793.5.A22-.A229 Statistical methods
- 793.5.A25-.A259 Instruments and apparatus see QC785.5+
- 793.5.B32-.B329 Miscellany and curiosa
- 793.5.B42-.B429 Special nuclear and subnuclear particles,
 antiparticles, and families of particles, A-Z
- 793.5.A22-.A229 Alpha particles. Alpha rays (Table Q2)
- 793.5.A25-.A259 Anyons (Table Q2)
- 793.5.B32-.B329 Baryons (Table Q2)
- 793.5.B42-.B429 Beta particles. Beta rays (Table Q2)

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Elementary particle physics
 Special nuclear and subnuclear particles,
 antiparticles, and families of particles,
 A-Z -- Continued
- 793.5.B62-.B629 Bosons (Table Q2)
 Including intermediate, W, and Z bosons
- 793.5.C64-.C649 Cold neutrons (Table Q2)
 Including ultracold neutrons
- 793.5.D42-.D429 Delayed neutrons (Table Q2)
- 793.5.D442-.D4429 Delayed protons (Table Q2)
- 793.5.D482-.D4829 Deuterons (Table Q2)
- 793.5.E62-.E629 Electrons (Table Q2)
 Including synchrotron radiation
 Cf. QC449.3 Electron holography
- 793.5.F32-.F329 Fast neutrons (Table Q2)
- 793.5.F42-.F429 Fermions (Table Q2)
- 793.5.G32-.G329 Gamma rays (Table Q2)
- 793.5.G552-.G5529 Gluons (Table Q2)
- 793.5.H32-.H329 Hadrons (Table Q2)
 Cf. QC794.8.S8 Strong interactions
- 793.5.H34-.H349 Heavy leptons (Table Q2)
- 793.5.H42-.H429 Hyperons (Table Q2)
 Including sigma particles and Y-particles
- Intermediate bosons see QC793.5.B62+
- Kaons see QC793.5.M42+
- 793.5.L42-.L429 Leptons (Table Q2)
 Cf. QC793.5.H34+ Heavy leptons
 Cf. QC794.8.W4 Weak interactions
- 793.5.M32-.M329 Magnons (Table Q2)
- 793.5.M42-.M429 Mesons (Table Q2)
 Including kaons, muons, and pions
- Muons see QC793.5.M42+
- 793.5.N42-.N429 Neutrinos (Table Q2)
- 793.5.N462-.N4629 Neutrons (Table Q2)
- 793.5.N82-.N829 Nucleons (Table Q2)
- 793.5.N862-.N8629 Nuclides (Table Q2)
- Phonons see QC176.8.P5
- 793.5.P42-.P429 Photons (Table Q2)
 Cf. QC176.8.P6 Polaritons
 Cf. QC794.8.E4 Electromagnetic interactions
- Pions see QC793.5.M42+
- Polarons see QC176.8.P62
- 793.5.P58-.P589 Pomeron (Table Q2)
- 793.5.P62-.P629 Positrons (Table Q2)
- 793.5.P642-.P6429 Prompt neutrons (Table Q2)

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Elementary particle physics
 Special nuclear and subnuclear particles,
 antiparticles, and families of particles,
 A-Z -- Continued
 793.5.P72-.P729 Protons (Table Q2)
 793.5.Q252-.Q2529 Quarks (Table Q2)
 793.5.Q32-.Q329 Quasi-particles (Table Q2)
 Sigma particles see QC793.5.H42+
 793.5.S62-.S629 Slow neutrons (Table Q2)
 793.5.S72-.S729 Strange particles (Table Q2)
 793.5.T32-.T329 Tachyons (Table Q2)
 793.5.T37-.T379 Thermal electrons (Table Q2)
 793.5.T42-.T429 Thermal neutrons (Table Q2)
 W bosons see QC793.5.B62+
 Y-particles see QC793.5.H42+
 Z bosons see QC793.5.B62+
- Nuclear interactions
 Cf. QC454.N8 Nuclear spectroscopy
 793.9 Periodicals, societies, congresses, serial
 publications
 793.95 Collected works (nonserial)
 794 General works, treatises, and textbooks
 794.5 Addresses, essays, lectures
 794.6.A-Z Special topics, A-Z
 794.6.A5 Angular distribution. Angular correlations
 794.6.C58 Coherence
 794.6.C6 Collisions
 794.6.C7 Cross section of interactions
 Decay see QC794.6.R3
 794.6.E9 Excitation
 Cf. QC795.8.E5 Energy levels
 794.6.F4 Feynman diagrams
 794.6.F65 Form factor
 794.6.G7 Grand unified theories
 794.6.I5 Internal conversion
 794.6.I8 Isotone shift. Isotope shift
 794.6.K5 Kinematics
 794.6.M6 Moments
 794.6.M85 Multiplicity
 Polarization see QC794.6.S3
 794.6.R25 Radiative capture
 794.6.R3 Radioactivity. Decay
 794.6.R4 Resonance. Resonance integral

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Nuclear interactions
 Special topics, A-Z -- Continued
- 794.6.S3 Scattering
 Including elastic scattering, inelastic scattering, polarization, etc.
- 794.6.S75 Standard model
- 794.6.S8 Stopping power
- 794.6.S85 String models
 Including superstring theories
- Transitions see QC454.N8
- 794.8.A-Z Special types of interactions, A-Z
- 794.8.D57 Direct
- 794.8.E35 Effective
- 794.8.E4 Electromagnetic
 Cf. QC793.5.P42+ Photons
- 794.8.E44 Electroweak
- 794.8.E93 Exclusive
- 794.8.G7 Gravitational
- 794.8.H4 Heavy ion induced
 Including heavy ion collisions
- 794.8.H5 High energy
 Cf. QC793.3.H5 High energy physics
- Hyperfine see QC762.6.H94
- 794.8.I52 Inclusive
- 794.8.P4 Photonuclear
 Cf. QC715+ Photoelectricity
- 794.8.S7 Spallation
- 794.8.S8 Strong
 Cf. QC793.5.H32+ Hadrons
- 794.8.W4 Weak
 Cf. QC793.5.L42+ Leptons
- Radioactivity and radioactive substances
 Including ionizing radiation
 Cf. QC474+ Radiation physics
 Cf. QC913+ Meteorological aspects
 Cf. QD601+ Radiochemistry
 Cf. QE501.4.N9 Nuclear geophysics
 Cf. QH543.5+ Radiobiology
- 794.95 Periodicals, societies, congresses, serial publications
- 794.96 Collected works (nonserial)
- 794.97 Dictionaries and encyclopedias
- 794.98 History
- 795 General works, treatises, and textbooks
- 795.26 Popular works

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Radioactivity and radioactive substances --
 Continued
- 795.27 Juvenile works
- 795.28 Addresses, essays, lectures
- 795.3 Special aspects of the subject as a whole
- 795.32.A-Z Special topics, A-Z
- 795.32.R3 Radiation dosimetry in physics
- 795.32.S3 Safety measures for physicists
 Cf. RA1231.R2 Toxicology
 Cf. TK9152+ Nuclear engineering
- Study and teaching. Research
- 795.34 General works
- 795.36 Experiments
- 795.38 Laboratory manuals
- Laboratories see QD604.8+
- Technique
 Cf. TK9151.4+ Radiation environment
 procedures
- 795.4 General works
- 795.42 Measurement of radioactivity and ionizing
 radiation
- 795.5 Instruments and apparatus (General)
 For individual instruments see QC785.5+
- 795.52 Handbooks, tables, formulas, etc.
- 795.55.A-Z Special types of radioactivity, A-Z
- 795.55.15 Induced radioactivity
- Radioactive substances and radioisotopes
 Cf. TK9400+ Nuclear engineering
- 795.6 Periodicals, societies, congresses, serial
 publications
- 795.64 Dictionaries and encyclopedias
- 795.7 General works, treatises, and textbooks
- 795.74 Juvenile works
- Study and teaching. Research
- 795.76 General works
- 795.77 Experiments
- 795.78 Laboratory manuals
- 795.8.A-Z Special topics, A-Z
 Prefer classification by specific
 substance in QC796
- 795.8.D4 Decay
- 795.8.E5 Energy levels
- 795.8.F5 Fission products
- 795.8.H3 Half-life
- 795.8.15 Internal conversion

- Nuclear and particle physics. Atomic energy.
 Radioactivity
 Radioactivity and radioactive substances
 Radioactive substances and radioisotopes
 Special topics, A-Z -- Continued
 Isobars, Nuclear see QC795.8.N8
 Nuclear isomers. Nuclear isobars
 Radionuclides
 Spectra
 For spectra of specific substances see
 QC462+
 Standards see TK9400+
 795.8.N8
 795.8.R3
 795.8.S6
 795.8.T45
 796.A-Z
 796.2
 Thermal properties
 Transportation see HE199.5.R3+
 Special radioactive substances and
 radioisotopes, A-Z (Table Q1)
 Superheavy elements
 Cf. QD172.S93 Inorganic chemistry
 Applications
 For applications in special fields, see the
 field, e.g. QH324.3, Tracers in
 biological research; RM858, Radioisotopes
 in therapeutics; TK9400-9401, Radioactive
 substances in industry
 798.A1
 798.A2-Z
 798.D3
 798.T7
 General works, treatises, and textbooks
 Individual, A-Z
 Dating
 Tracers
 Geophysics. Cosmic physics
 Cf. GB5000+ Natural disasters
 801
 Periodicals, societies, congresses, serial
 publications
 801.3
 International Geophysical Committee.
 International Geophysical Year
 801.4
 International Years of the Quiet Sun
 801.5
 Collected works (nonserial)
 801.9
 Dictionaries and encyclopedias
 Observations
 General works, treatises, and textbooks
 802.A1
 802.A2-Z
 By name of issuing observatory, A-Z
 Prefer QC803
 803.A-Z
 804
 By region or country, A-Z
 History
 Biography
 805.A2
 805.A3-Z
 806
 Collective
 Individual, A-Z
 General works, treatises, and textbooks

- Geophysics. Cosmic physics -- Continued
- 806.4 Juvenile works
- 806.6 Addresses, essays, lectures
- 807 Special aspects of the subject as a whole
Study and teaching. Research
- 807.5 General works
- 807.52 Problems, exercises, examinations
- 807.6.A-Z By region or country, A-Z
- Observatories
- 808.A2 General works
- 808.A5-Z By region or country, A-Z
Under each country:
.x *General works*
.x2A-.x2Z *Individual observatories.*
By name, A-Z
- 808.5 Technique. Instructions for observers
- 808.6 Data processing
- 808.7 Instruments and apparatus
- 808.8 Handbooks, tables, formulas, etc.
- 809.A-Z Special topics, A-Z
- 809.A25 Acoustic phenomena
- 809.C6 Cosmic noise
Earth radiation see QC809.T4
- 809.E15 Earth resistance
- 809.E2 Earth tides
- 809.E5 Elastic waves
- 809.E55 Electrodynamics
Cf. QB460+ Astrophysics
- 809.E6 Energy budget. Heat budget
- 809.F5 Fluid dynamics
Heat budget see QC809.E6
- 809.M25 Magnetic fields. Geomagnetic micropulsations
- 809.M3 Magnetohydrodynamics
- 809.M35 Magnetosphere. Magnetopause
- 809.M37 Mathematics
Nuclear astrophysics see QB463+
Nuclear geophysics see QE501.4.N9
- 809.P3 Paleogeophysics
- 809.P5 Plasmasphere. Space plasmas
- 809.R3 Radiation
Solar wind see QB529+
Space plasmas see QC809.P5
- 809.S67 Spectral theory
- 809.T38 Terrestrial heat flow
- 809.T4 Terrestrial radiation
- 809.V3 Van Allen radiation belts

- Geomagnetism
 Cf. QC750+ Magnetism
 Cf. QE501.4.P35 Paleomagnetism
- 811 Periodicals, societies, congresses, serial publications
- 811.15 Collected works (nonserial)
- 813 History
- 814 Early works through 1800
- General works, treatises, and textbooks
- 815 1801-1969
- 815.2 1970-
- 815.5 Juvenile works
- 815.7 Addresses, essays, lectures
- 816 Special aspects of the subject as a whole
- Observatories
- 818.A2 General works
- 818.A5-Z By region or country, A-Z
- Under each country:*
- | | |
|-----------|----------------------------------|
| .x | <i>General works</i> |
| .x2A-.x2Z | <i>Individual observatories.</i> |
| | <i>By name, A-Z</i> |
- 819 Instruments and apparatus
 Including magnetometer
- 820 Technique. Instruction for observers
- 820.6 Data processing
- 821 Handbooks, tables, formulas, etc.
- 822 Maps and mapping
 Including construction, use, and interpretation of maps
- Magnetic surveys
 Geographic areas below are not subarranged by country
- 825 General works
- 825.1 North America
- 825.2 Mexico, Central America, and West Indies
- 825.3 South America
- 825.4 Europe
- 825.5 Asia
- 825.6 Africa
- 825.7 Australia
- 825.75 New Zealand
- 825.8 Arctic regions
- 825.9 Antarctica
- 826.A-Z Oceanic areas, A-Z
- Geomagnetic field (Analysis and theory)
- 827 General works
- 828 Secular variation

Geomagnetism -- Continued

Magnetic observations

- 830.A-Z General works. By name of issuing observatory,
A-Z
- 831 Diurnal variations
- 833 Other periodic variations
- 835 Magnetic disturbances
Including magnetic storms
- Geomagnetism and related aspects
- 836 Sunspot periods
- 837 Eclipses
- 839 Meteorological phenomena
- 841 Geological structure
- 843 Earthquakes
- 845 Earth currents
- 849 Deviation of the magnetic compass and other
magnetic instruments. Magnetism of ships and
aircraft
Cf. TL589.2.C6 Aeronautical instruments
Cf. VK577 Nautical instruments

Meteorology. Climatology

Including the earth's atmosphere and
atmospheric physics

For works on the composite generalization of
weather conditions of specific geographic
areas during a specific period of time with
reference to average conditions and their
variability see QC980+

- Cf. GB2801+ Hydrometeorology
- Cf. N72.M48 Art and meteorology
- Cf. QB603.A85 Planetary meteorology
- Cf. S600+ Agricultural meteorology
- Cf. SD390.5+ Forest meteorology
- Cf. SH343.3 Fishery meteorology
- Cf. TA197+ Engineering meteorology
- Cf. TL556+ Aeronautical meteorology
- Cf. UG467 Military meteorology

- 851 Periodicals, societies, congresses, serial
publications
- 852 Collected works (nonserial)
- 854 Dictionaries and encyclopedias
- 854.15 Communication of meteorological information
For computer network resources see QC866.5.C67
For exchange of meteorological information
see QC866.5.E93
- 854.2 Nomenclature, terminology, notation,
abbreviations

Meteorology. Climatology -- Continued

- History
- 855 General works
 - 857.A-Z By region or country, A-Z
- Biography
- 858.A2 Collective
 - 858.A3-Z Individual, A-Z
- 859 Early works through 1800
- General works, treatises, and advanced textbooks
- 861 1801-1969
 - 861.2 1970-2000
 - 861.3 2001-
- 863 Elementary textbooks
- 863.4 Popular works
- Including works for hobbyists
- 863.5 Juvenile works
- 864 Handbooks, tables, formulas, etc.
- Cf. QC871.4 Observers' manuals
 - Cf. QC873 Computation tables
- 865 Addresses, essays, lectures
- 866 Special aspects of the subject as a whole
- 866.5.A-Z Special topics, A-Z
- 866.5.C65 Communication systems
 - 866.5.C67 Computer network resources
 - Including the Internet
- 866.5.E93 Exchange of meteorological information
- 866.5.I5 International cooperation
- Cf. QC875.2.A+ International projects, programs, etc.
- 866.5.P4 Photography (General)
- Study and teaching. Research
- 869 General works
 - 869.15 Outlines, syllabi
 - 869.2 Programmed instruction
 - 869.3 Problems, exercises, examinations
 - 869.4.A-Z By region or country, A-Z
- 869.5 Meteorology as a profession. Vocational guidance
- 870 Miscellany and curiosa
- Technique. Instructions for observers
- 871 Methods of observation
 - 871.2 Observation forms, blanks, etc.
 - 871.4 Observers' manuals
 - 872 Telegraphic cipher codes for meteorological data
 - 873 Computation tables (General)
- Synoptic meteorology. Computation and analysis
- 874 General works
 - 874.3 Data processing

- Meteorology. Climatology
 Technique. Instructions for observers
 Synoptic meteorology. Computation and analysis
 -- Continued
- 874.5 Statistical methods
 874.8 Laboratory manuals
- Meteorological stations and observatories.
 Weather services
 Including marine meteorological services
- 875.A2 General works
 875.A5-Z By region or country, A-Z
Under each country:
 .x *General works*
 .x2A-.x2Z *Individual observatories.*
By name, A-Z
- 875.2.A-Z Individual international projects, programs,
 etc. By name, A-Z
- Meteorological instruments
 For instruments of special fields, see the
 field, e.g., for Rain gauges see QC926
- 875.5 Periodicals, societies, congresses, serial
 publications
- 875.7 History
 876 General works, treatises, and textbooks
 876.5 Juvenile works
 876.6 Addresses, essays, lectures
 Museums. Exhibitions
- 876.7.A1 General works
 876.7.A2-Z By region or country, A-Z
 Subarrange each country by Table Q5
- 877 Weather signals, storm warnings, etc.
 877.5 Weather broadcasting
 Including radio and television weathercasting
- 878 Construction of weather maps, charts, etc.
 Aeronomy. Upper atmosphere
- 878.5 Periodicals, societies, congresses, serial
 publications
- 878.6 Collected works (nonserial)
 879 General works, treatises, and textbooks
 879.15 Juvenile works
 879.2 Addresses, essays, lectures
 Study and teaching. Research
- 879.23 General works
 879.232.A-Z By region or country, A-Z
 879.25 Instruments and apparatus

- Meteorology. Climatology
 Aeronomy. Upper atmosphere -- Continued
 Aeronautics in meteorology
 Including sounding balloons, kites, etc.
 Cf. TL556+ Meteorology in aeronautics
- 879.3 Periodicals, societies, congresses, serial
 publications
- 879.35 General works, treatises, and textbooks
- 879.36 Addresses, essays, lectures
- Astronautics in meteorology
 Including weather satellites, rockets, etc.
- 879.4 Periodicals, societies, congresses, serial
 publications
- 879.5 General works, treatises, and textbooks
- 879.53 Juvenile works
- 879.54 Addresses, essays, lectures
- 879.55.A-Z Special topics, A-Z
- 879.55.P4 Photography
 Including automatic picture receiving and
 transmission, etc.
- Stations, networks, and programs
- 879.56 General works
- 879.562.A2-Z By region or country, A-Z
 Under each country:
 .x General works
 .x2A-.x2Z Individual stations,
 networks, and programs.
 By name, A-Z
- 879.57 Handbooks, tables, formulas, etc.
- Observations. Data summaries
- 879.59.A1 General works, treatises, and textbooks
- 879.59.A3-Z By region or country, A-Z
- Atmospheric chemistry
- 879.6 General works
 Atmospheric ozone
 Including ozone layer depletion
- 879.7 General works, treatises, and textbooks
- 879.712 Juvenile works
- Observations. Data summaries
- 879.72 General
- 879.73.A-Z By region or country, A-Z
- 879.8 Atmospheric carbon dioxide
- 879.85 Atmospheric methane
- 879.9.A-Z Other chemical substances, A-Z
- 879.9.D55 Dimethyl sulphide
- 879.9.M47 Mercury
- 879.9.N57 Nitrogen compounds

- Meteorology. Climatology
 Atmospheric chemistry
 Other chemical substances, A-Z -- Continued
 879.9.O73 Organic compounds
 Radon see QC913.2.R3
 Dynamic meteorology
 Including mechanics and thermodynamics of the
 atmosphere (combined)
 Cf. QC930.5+ Wind
 880 General works
 880.2 Addresses, essays, lectures
 880.4.A-Z Special topics, A-Z
 880.4.A3 Adiabatic processes
 880.4.A5 Air masses
 Cf. QC981.8.A5 Climatology
 880.4.A8 Atmospheric circulation
 880.4.B35 Baroclinicity
 880.4.B55 Blocking
 880.4.B65 Boundary layer
 Clear air turbulence see QC880.4.T8
 880.4.C64 Convection
 880.4.C65 Coriolis force
 880.4.D44 Diffusion
 880.4.D5 Divergence. Convergence
 Eddy flux see QC880.4.T8
 880.4.E7 Equations of motion
 880.4.F7 Fronts. Frontogenesis
 880.4.L68 Low pressure systems
 880.4.M52 Microbursts
 880.4.P6 Power spectra
 880.4.R6 Rossby waves
 880.4.S56 Singularities
 880.4.S65 Squalls. Squall lines
 880.4.T5 Thermodynamics
 880.4.T7 Transport phenomena
 880.4.T8 Turbulence
 Including clear air turbulence and eddy
 flux
 880.4.V6 Vorticity
 880.4.W3 Waves
 Atmospheric shells (General)
 Including composition of the atmosphere
 881 General works
 881.2.A-Z Specific shells, A-Z
 881.2.C4 Chemosphere
 881.2.D2 D region
 881.2.E2 E region

Meteorology. Climatology

Atmospheric shells (General)

Specific shells, A-Z -- Continued

- 881.2.E9 Exosphere
- 881.2.F2 F region
- 881.2.H43 Heliosphere
- 881.2.H48 Heterosphere
- 881.2.H6 Homosphere
- 881.2.I6 Ionosphere
- Magnetosphere. Magnetopause see QC809.M35
- 881.2.M3 Mesosphere. Mesopause
- 881.2.M53 Middle atmosphere
- 881.2.N4 Neutrosphere
- 881.2.O9 Ozonosphere. Ozone layer
- 881.2.S8 Stratosphere. Stratopause
- 881.2.T4 Thermosphere
- 881.2.T7 Triptosphere. Triptopause
- 881.2.T75 Troposphere. Tropopause

Atmospheric pollutants

- Cf. QC929.D9 Dust (Aqueous vapor)
- Cf. TD881+ Air pollution

882

General works

Aerosols

- 882.4 Periodicals, societies, congresses, serial collections
- 882.42 General works, treatises, and textbooks
- 882.46 Technique
- 882.5 Dust
 - Cf. TD884.5 Air pollution
- 882.6 Smoke plumes
 - Cf. TD884 Air pollution

Cosmic relations. Influence on sun and moon, etc.

- 883 General works
- 883.2.A-Z Special topics, A-Z
 - 883.2.A8 Atmospheric tides
 - 883.2.C5 Climatic periodicity
 - 883.2.S6 Solar activity. Solar climate

Mesometeorology

- 883.4 Periodicals, societies, congresses, serial publications
- 883.42 Collected works (nonserial)
- 883.5 General works, treatises, and textbooks
- 883.52 Addresses, essays, lectures
- Observations. Data summaries
 - 883.54 General works, treatises, and textbooks
 - 883.56.A-Z By region or country, A-Z

Meteorology. Climatology -- Continued

Micrometeorology

- 883.7 Periodicals, societies, congresses, serial publications
- 883.72 Collected works (nonserial)
- 883.8 General works, treatises, and textbooks
- 883.82 Addresses, essays, lectures
- Observations. Data summaries
- 883.84 General works, treatises, and textbooks
- 883.86.A-Z By region or country, A-Z

Paleoclimatology

- Cf. QE697+ Geology
- 884 General works
- 884.2.A-Z Special topics, A-Z
- 884.2.C5 Climatic variations
- 884.2.D4 Dendroclimatology
- Cf. QK477.2.A6 Annual rings
- 884.5.A-Z By region or country, A-Z

Atmospheric pressure

- Cf. QC934 Relation to wind
- 885 General works, treatises, and textbooks
- 885.2 Charts, diagrams, maps, etc.
- Observations. Data summaries
- 885.4 General works
- 885.6.A-Z By region or country, A-Z
- Mercury barometers and barographs
- 886 General works
- 887 Tables for reductions
- 889 Distribution, isobars, etc.
- 891 Variations and oscillations
- 895 Barometric hypsometry
- 896 Aneroid barometers and barographs

Temperature and radiation

Atmospheric temperature

- Cf. QC934.2 Wind chill
- Cf. TL557.A8 Aeronautical meteorology
- Observations
- Including distribution, isotherms
- 901.A1 General works, treatises, and textbooks
- 901.A3-Z By region or country, A-Z
- 902 Instruments and apparatus
- Variations
- Including global temperature changes, etc.
- Cf. QC981.8.G56 Global warming
- 903 General works, treatises, and textbooks
- 903.2.A-Z By region or country, A-Z
- 905 Winter temperatures

- Meteorology. Climatology
 Temperature and radiation
 Atmospheric temperature -- Continued
 906 Summer temperatures
 (907) Temperature of the earth
 see QE509
 Temperature of the sea see GC160+
 (909) Temperature of rivers, lakes, and springs
 see GB651+
 Solar radiation. Sunshine
 910.2 Periodicals, societies, congresses, serial
 publications
 910.5 Collected works (nonserial)
 911 General works, treatises, and textbooks
 911.2 Juvenile works
 911.3 Addresses, essays, lectures
 911.6 Handbooks, tables, formulas, etc.
 Observations. Data summaries
 911.8 General works, treatises, and textbooks
 911.82.A-Z By region or country, A-Z
 912 Instruments and apparatus
 Including actinometers, pyrheliometers,
 sunshine recorders, etc.
 912.2.A-Z Special topics, A-Z
 912.2.S64 Solar constant
 912.3 Atmospheric radiation
 Including greenhouse effect
 912.5 Albedo
 912.55 Global radiation
 Atmospheric radioactivity
 913 General works
 913.2.A-Z Special topics, A-Z
 913.2.A8 Atomic energy
 Including radioactive fallout
 Cf. TD887.R3 Radioactive pollution
 913.2.R3 Radon
 Aqueous vapor
 Humidity. Hygrometry
 915 General works
 Evaporation and evapotranspiration
 915.5 General works
 Observations. Data summaries
 915.6 General works
 915.7.A-Z By region or country, A-Z
 916 Instruments and apparatus
 Including hydrometers, psychrometers, etc.
 917 Handbooks, tables, formulas, etc.

- Meteorology. Climatology
 Aqueous vapor -- Continued
 920 Forms of water (General)
 Clouds
 Cf. TL557.C6 Aeronautical meteorology
 920.7 Periodicals, societies, congresses, serial
 publications
 920.8 Collected works (nonserial)
 921 General works, treatises, and textbooks
 921.3 Pictorial works and atlases
 921.35 Juvenile works
 921.37 Addresses, essays, lectures
 Observations. Data summaries
 921.375 General works, treatises, and textbooks
 921.377.A-Z By region or country, A-Z
 Cloud forms and classification. Formation
 921.4 General works
 921.43.A-Z Special forms, A-Z
 921.43.C57 Cirrus
 921.43.C8 Cumulus
 921.43.N3 Nacreous (Mother-of-pearl)
 Noctilucent see QC976.N6
 921.43.S8 Stratus
 Cloud physics
 921.48 Periodicals, societies, congresses, serial
 publications
 921.5 General works, treatises, and textbooks
 921.55 Addresses, essays, lectures
 921.6.A-Z Special topics, A-Z
 921.6.C6 Condensation nuclei
 Including cloud droplets, ice crystals,
 etc.
 921.6.C65 Convection
 921.6.D95 Dynamics
 921.6.E4 Electrification
 921.6.T4 Thermodynamics of clouds
 Observations of altitude, motion, etc.
 922 General works, treatises, and textbooks
 923 Instruments and apparatus
 Including ceilometer
 924.A-Z By region or country, A-Z
 Rain and rainfall
 Cf. BV283.F3 Prayers for rain
 Cf. QE581 Erosion
 Cf. S622+ Soil conservation
 Cf. SD390.7.R34 Forest meteorology
 Cf. TD418 Rainwater (Water supply)

Meteorology. Climatology

Aqueous vapor

Rain and rainfall -- Continued

- 924.5 Periodicals, societies, congresses, serial publications
- 924.6 Collected works (nonserial)
- 924.7 Juvenile works
- 925 General works, treatises, and textbooks
- Observations. By region or country
- North America, United States and Canada
- 925.1.A1 North America (General)
- Canada
- 925.1.C2 General works
- 925.1.C3A-.C3Z By region, province, etc., A-Z
- United States
- 925.1.U2-.U799 General works
- 925.1.U8A-.U8Z By region or state, A-Z
- Mexico, Central America, and West Indies
- 925.2.A1 General works
- 925.2.A3-Z By country, island, or region, A-Z
- Subarrange each country or island by Table Q4
- South America
- 925.3.A1 General works
- 925.3.A3-Z By country, island, or region, A-Z
- Subarrange each country or island by Table Q4
- Europe
- 925.4.A1 General works
- 925.4.A3-Z By country, island, or region, A-Z
- Subarrange each country or island by Table Q4
- Asia
- 925.5.A1 General works
- 925.5.A3-Z By country, island, or region, A-Z
- Subarrange each country or island by Table Q4
- Africa
- 925.6.A1 General works
- 925.6.A3-Z By country, island, or region, A-Z
- Subarrange each country or island by Table Q4
- Atlantic Ocean islands
- 925.65.A1 General works
- 925.65.A3-Z By country, island, or region, A-Z
- Subarrange each country or island by Table Q4

- Meteorology. Climatology
- Aqueous vapor
- Rain and rainfall
- Observations. By region or country --
- Continued
- Australia
- 925.7 General works
- 925.71.A-Z Local, A-Z
- New Zealand
- 925.72 General works
- 925.73.A-Z Local, A-Z
- Pacific Ocean islands
- 925.8.A1 General works
- 925.8.A3-Z By country, island, or region, A-Z
- Subarrange each country or island by
- Table Q4
- 925.82 Tropics
- 925.9 Arctic regions
- 925.95 Antarctica
- 926 Instruments and apparatus
- Including rain gauges
- 926.2 Data processing
- Snow. Ice. Blizzards
- Cf. GB641+ Frozen ground
- Cf. GB2401+ Ice on the ground
- Cf. GB2601+ Snow on the ground
- 926.3 Periodicals, societies, congresses, serial
- publications
- 926.32 General works, treatises, and advanced
- textbooks
- 926.36 Pictorial works
- 926.37 Juvenile works
- By region or country
- United States
- 926.43 General works
- 926.44.A-Z By region or state, A-Z
- Subarrange each state by Table Q4
- 926.45.A-Z Other regions or countries, A-Z
- Subarrange each country by Table Q4
- Acid precipitation. Acid rain
- Cf. TD195.4+ Environmental pollutants
- 926.5 Periodicals, societies, congresses, serial
- publications
- 926.52 General works, treatises, and advanced
- textbooks
- By region or country
- United States

- Meteorology. Climatology
- Aqueous vapor
- Acid precipitation. Acid rain
- By region or country
- United States -- Continued
- 926.55 General works
- 926.56.A-Z By region or state, A-Z
- Subarrange each state by Table Q4
- 926.57.A-Z Other regions or countries, A-Z
- Subarrange each country by Table Q4
- Weather and cloud modification
- Including weather control
- Cf. QC921.48+ Cloud physics
- 926.6 Periodicals, societies, congresses, serial publications
- 928 General works, treatises, and textbooks
- 928.4 Juvenile works
- 928.6 Rainmaking. Cloud seeding
- By region or country
- United States
- 928.7 General works
- 928.72.A-Z By region or state, A-Z
- 928.74.A-Z Other regions or countries, A-Z
- 929.A-Z Other topics, A-Z
- Including other forms of precipitation
- 929.A8 Avalanches
- Blizzards see QC926.3+
- 929.D5 Dew formation
- (929.D8) Droughts
- see QC929.2+
- 929.D9 Dust influences
- 929.F7 Fog
- Cf. TL557.F6 Aeronautical meteorology
- 929.F8 Forest influences
- Frost see QC929.H6
- 929.G4 Glaze
- 929.H15 Hail
- 929.H6 Hoarfrost
- Ice see QC926.3+
- 929.R17 Rain shadows
- 929.R2 Rain without clouds
- Rainmaking see QC928.6
- 929.S5 Showers of miscellaneous matter
- 929.S6 Smoke influences
- (929.S7) Snow. Ice. Blizzards
- see QC926.3+
- Droughts

Meteorology. Climatology

Aqueous vapor

Droughts -- Continued

- 929.2 Periodicals, societies, congresses, serial publications
- 929.24 General works, treatises, and advanced textbooks
- 929.25 Juvenile works
By region or country
United States
- 929.26 General works
- 929.27.A-Z By region or state, A-Z
Subarrange each state by Table Q4
- 929.28.A-Z Other regions or countries, A-Z
Subarrange each country by Table Q4

Wind

- Cf. QC880+ Dynamic meteorology
- Cf. TA654.5 Wind loads on structures
- Cf. TL557.A5 Aeronautical meteorology
- Cf. VK543+ Sailing
- 930.5 Periodicals, societies, congresses, serial publications
- 930.6 Collected works (nonserial)
- 930.7 Dictionaries and encyclopedias
- 931 General works, treatises, and textbooks
- 931.4 Juvenile works
- 931.6 Addresses, essays, lectures
- 931.8 Charts, diagrams, maps, etc.
- 932 Instruments and apparatus
Including anemometers
- 932.5 Handbooks, tables, formulas, etc.
- 933 Direction and velocity
- 934 Wind relation to atmospheric pressure
- 934.2 Wind in relation to atmospheric temperature.
Wind chill
- 935 Upper currents. Jet stream
- 939.A-Z Constant, local, and periodic winds, A-Z
- 939.B67 Bora
- 939.F6 Föhn, Chinook, etc.
- 939.G73 Gregale
- 939.K37 Katabatic winds
- 939.L37 Land and sea breezes
- 939.M7 Monsoons
- 939.M8 Mountain and valley winds
Including Santa Ana
- 939.N8 Northers
Sea and land breezes see QC939.L37

Meteorology. Climatology

Wind

Constant, local, and periodic winds, A-Z --

Continued

939.T7

Trade winds

Observations

940.A1

General works, treatises, and textbooks

940.A2-Z

By region or country, A-Z

e.g.

940.A8

North Atlantic Ocean

Storms. Cyclones

Cf. GC225+ Storm surges

Cf. QC926.3+ Snow. Ice. Blizzards

Cf. QC968+ Thunderstorms

Cf. TL557.S7 Aeronautical meteorology

940.6

Periodicals, societies, congresses, serial publications

941

General works, treatises, and textbooks

941.3

Juvenile works

941.8

Miscellany and curiosa

Theoretical aspects

Including dynamic meteorological aspects

942

General works

943

Application to navigation

943.5.A-Z

By region or country, A-Z

Hurricanes and other cyclonic storms

944

General works, treatises, and textbooks

944.2

Juvenile works

By geographical location

945

Atlantic Ocean and West Indies

Including tropical cyclones,
northeaster storms

947

India, Pakistan, and the Indian Ocean

948

China Seas and Pacific Ocean. Far East

Including typhoons

951

Instruments and apparatus

Including barocyclonometer

Tornadoes

955

General works

955.2

Juvenile works

955.5.A-Z

By region or country, A-Z

957

Waterspouts

Dust storms. Dust devils. Sandstorms

958

General works

959.A-Z

By region or country, A-Z

- Meteorology. Climatology -- Continued
- Electrical phenomena in the atmosphere
 Cf. QC801+ Geophysics. Cosmic physics
 Cf. QC972.6+ Radio meteorology
- 960.5 Periodicals, societies, congresses, serial publications
- 961 General works, treatises, and textbooks
- 961.2 Addresses, essays, lectures
- 961.5 Technique. Instructions for observers
- 962 Instruments and apparatus
- 963 Observations of potential variation
- Lightning (General)
 Cf. GR640 Folklore
 Cf. TH9057+ Protection of buildings from lightning
- 966 General works
- 966.5 Juvenile works
- 966.7.A-Z Special topics, A-Z
 Arresters see TK3248
- 966.7.A84 Atmospheric ionization
- 966.7.B3 Ball lightning
- 966.7.D5 Discharge. Flash
- Thunderstorms (General)
- 968 General works
- 968.2 Juvenile works
- 969 Miscellaneous electrical phenomena
- Auroras
 Cf. QB524+ Solar activity
 Cf. QC835 Magnetic disturbance
 Cf. QC976.A3 Airglow
- 970 Periodicals, societies, congresses, serial publications
- 971 General works, treatises, and textbooks
- 971.3 Pictorial works and atlases
- 971.4 Juvenile works
- 971.5 Addresses, essays, lectures
- Observations
- 971.7.A1 General works, treatises, and textbooks
- 971.7.A2-Z By region or country, A-Z
- 972.A-Z Special topics, A-Z
- 972.L8 Luminescence
- 972.L85 Luminosity
- 972.P4 Photography
- 972.S6 Spectra
- 972.5.A-Z Special types of aurora, A-Z
- 972.5.A8 Australis
- 972.5.B6 Borealis

- Meteorology. Climatology
- Auroras
 - Special types of aurora, A-Z -- Continued
 - Northern lights see QC972.5.B6
 - Polaris see QC972.5.B6
 - 972.5.R3 Radio auroras
 - Radio meteorology. Microwave meteorology
 - 972.6 Periodicals, societies, congresses, serial publications
 - 972.7 Collected works (nonserial)
 - 973 General works, treatises, and textbooks
 - 973.2 Addresses, essays, lectures
 - 973.3 Instruments and apparatus
 - 973.4.A-Z Special topics, A-Z
 - 973.4.A85 Atmospheric
 - 973.4.C4 Chorus. Dawn chorus
 - 973.4.I6 Ionospheric radio waves
 - Including absorption, propagation, etc.
 - 973.4.M33 Magnetospheric radio waves
 - 973.4.R3 Radio auroras see QC972.5.R3
 - 973.4.R35 Radio noise
 - 973.4.R35 Radio refractivity
 - 973.4.R35 Sferics see QC973.4.A85
 - 973.4.T76 Tropospheric radio waves
 - Including absorption, propagation, etc.
 - 973.4.V2 VLF emissions, propagation, etc.
 - 973.4.W5 Whistlers
 - Radar meteorology
 - 973.45 Periodicals, societies, congresses, serial publications
 - 973.5 General works, treatises, and textbooks
 - 973.6 Addresses, essays, lectures
 - Radar stations
 - 973.62.A1 General works
 - 973.62.A2-Z By region or country, A-Z
 - 973.7 Instruments and apparatus
 - Including rawinsondes
 - 973.8.A-Z Special topics, A-Z
 - 973.8.E3 Echoes
 - 973.8.R4 Refraction
 - 973.8.W4 Weather radar networks
 - Meteorological optics
 - 974.5 Periodicals, societies, congresses, serial publications
 - 974.6 Collected works (nonserial)
 - 975 General works, treatises, and textbooks
 - 1801-1969

Meteorology. Climatology

Meteorological optics

General works, treatises, and textbooks --
Continued

- 975.2 1970-
975.3 Juvenile literature
975.6 Addresses, essays, lectures
975.8 Handbooks, tables, formulas, etc.
Observations
975.9.A1 General works, treatises, and textbooks
975.9.A2-Z By region or country, A-Z
976.A-Z Special topics, A-Z
976.A3 Airglow
976.C6 Coloration of the sky
(976.C7) Counter glow
see QB761
Gegenschein see QB761
976.H15 Halos
976.L36 Laser beam propagation
976.M6 Mirages
976.N5 Night sky
976.N6 Noctilucent clouds
976.P7 Polarization
976.R15 Rain band spectrum
976.R2 Rainbow
976.R4 Atmospheric refraction
976.S3 Scattering
976.T6 Transmission of the atmosphere
976.T7 Transparency of the atmosphere
976.T8 Turbidity
976.T9 Twilight phenomena
976.U4 Ultraviolet rays
976.V5 Visibility
Cf. TL557.V5 Aeronautical meteorology

Meteorology. Climatology -- Continued

Climatology and weather

Class here works on the composite generalization of weather conditions of specific geographic areas during a specific period of time with reference to average conditions and their variability

Cf. BF353 Psychological aspects

Cf. GF71 Human ecology

Cf. NA2541 Architecture and climate

Cf. QC884+ Paleoclimatology

Cf. QH543+ Bioclimatology

Cf. RA791+ Medical climatology

Cf. S600+ Agricultural climatology

Cf. TA198 Industry and weather

Cf. TH7015 Heating and ventilation

Cf. TL556+ Aviation climatology

- 980 Periodicals, societies, congresses, serial publications
- 980.15 Collected works (nonserial)
Dictionaries and encyclopedias see QC854
- 980.4 Classification of climate
Including indexes
Biography see QC858.A2+
- 981 General works, treatises, and textbooks
- 981.2 Popular works
- 981.3 Juvenile works
- 981.4 Addresses, essays, lectures
- 981.45 Special aspects of the subject as a whole
- 981.5 Study and teaching. Research
- 981.6 Instruments and apparatus
Including frigrometers
- 981.7.A-Z Special types of climatology, A-Z
- 981.7.C7 Cryptoclimatology
- 981.7.D94 Dynamic climatology
- 981.7.M3 Macroclimatology
- 981.7.M4 Mesoclimatology
- 981.7.M5 Microclimatology
Paleoclimatology see QC884+
- 981.7.S8 Synoptic climatology
- 981.7.T64 Topoclimatology
- 981.7.U7 Urban climatology
- 981.8.A-Z Special topics, A-Z
- 981.8.A5 Air masses in weather situations
Including cold and heat waves, etc.
- 981.8.C5 Climatic changes
Cf. QC884.2.C5 Paleoclimatology

Meteorology. Climatology

Climatology and weather

Special topics, A-Z -- Continued

- 981.8.C53 Climatic extremes
 Cold waves see QC981.8.A5
 981.8.C65 Continentality
 Droughts see QC929.2+
 Forest influences see SD425
 Glaciers and climate see QC981.8.I23
 981.8.G56 Global warming
 Heat waves see QC981.8.A5
 981.8.I23 Ice sheets and climate. Glaciers and climate
 981.8.S9 Sultriness
 981.8.V65 Volcano effect on weather
 981.8.Z6 Zones of climate

Geographic divisions

Including observations, weather reports,
 charts, etc., of special regions

International observations

- 982 General works
 982.5.A-Z International areas not wholly within the
 divisions below. By name, A-Z
 982.5.C64 Columbia River Watershed
 982.5.D48 Developing countries
 982.5.G7 Great Britain's colonies
 982.5.G75 Great Lakes Region
 982.5.N67 Northern Hemisphere
 982.5.S68 Southern Hemisphere
 982.8 North America (General)

United States

- 983 General works
 984.A-Z By region or state, A-Z
 Subarrange each state by Table Q4

Canada

- 985 General works
 985.5.A-Z By region or province, A-Z
 Subarrange each province by Table Q4

Mexico and Central America

- 986.A1 General works
 986.A3-Z By country, island, or region, A-Z
 Subarrange each country or island by
 Table Q4

West Indies

- 987.A1 General works
 987.A3-Z By country, island, or region, A-Z
 Subarrange each country or island by
 Table Q4

Meteorology. Climatology

Climatology and weather

Geographic divisions -- Continued

South America

988.A1

General works

988.A3-Z

By country, island, or region, A-Z

Subarrange each country or island by

Table Q4

Europe

989.A1

General works

989.A3-Z

By country, island, or region, A-Z

Subarrange each country or island by

Table Q4

Asia

990.A1

General works

990.A3-Z

By country, island, or region, A-Z

Subarrange each country or island by

Table Q4

Africa

991.A1

General works

991.A3-Z

By country, island, or region, A-Z

Subarrange each country or island by

Table Q4

Australia

992.A1

General works

992.A3-Z

Local, A-Z

New Zealand

992.5.A1

General works

992.5.A3-Z

Local, A-Z

993.A-Z

Pacific and other oceanic islands. By island
or group of islands, A-Z

993.5

Tropics (General). Tropical climatology and
meteorology

993.6

Mountains (General). Mountain climatology
and meteorology

993.7

Arid regions. Deserts (General). Arid zone
climatology

Temperate zones. Temperate climate

For works on temperate climate in specific
geographic regions, see QC982-QC994.9,
Land; QC994.1-QC994.9, Oceans

993.75

General works

- Meteorology. Climatology
 Climatology and weather
 Geographic divisions
 Temperate zones. Temperate climate --
 Continued
- 993.8 Mediterranean climate (General)
 Class here works on Mediterranean climate
 regions in general. For works on
 Mediterranean climate in specific
 geographic regions, see QC983-QC993;
 QC994.3
- Ocean areas. Maritime meteorology
 Cf. GC190+ Ocean-atmosphere interaction
 Cf. VK570 Ship routing
- 993.83 Periodicals, societies, congresses, serial
 publications
- 993.84 Observers' manuals. Handbooks, tables,
 formulas, etc.
- Weather services see QC875.A2+
- 994 General works, treatises, and textbooks
 By region
- 994.1 Atlantic Ocean (General)
 994.2 Atlantic, North
 994.3 Mediterranean Sea
 994.4 Atlantic, South
 994.5 Indian Ocean
 994.55 Pacific Ocean (General)
 994.6 Pacific, North
 994.7 Pacific, South
- Polar climatology and meteorology
- 994.75 General works
 994.8 Arctic
 994.9 Antarctic
- Weather forecasting
 Including analyses and forecasts
 Cf. QC875.A2+ Weather services
 Cf. QC877.5 Weather broadcasting
- 994.95 Periodicals, societies, congresses, serial
 publications
- 995 General works, treatises, and textbooks
 995.3 Pictorial works and atlases
 995.4 Popular works
 995.43 Juvenile works
 995.45 Addresses, essays, lectures
 995.46 Study and teaching. Research
 Technique (General)
 Including graphical technique

- Meteorology. Climatology
- Climatology and weather
- Weather forecasting
- Technique (General) -- Continued
- 995.48 General works
- 995.485 Observers' manuals
- Types of weather forecasting
- Hydrodynamic
- 995.5 General works
- 996 Numerical
- 996.5 Statistical
- 997 Long-range
- 997.5 Short-range
- 997.75 Nowcasting
- 998 Weather lore
- Cf. GR635+ Weather lore (as folklore)
- 999 Weather almanacs and miscellany

Chemistry

For applications of chemistry in special fields,
see the field, e.g. RS402+ Medical and
pharmaceutical chemistry; S583+ Agricultural
chemistry

For chemical technology, including chemical
engineering see TP1+

- 1 Periodicals, societies, congresses, serial
publications
- Museums
- 2.A1 General works
- 2.A2-Z By region or country, A-Z
Subarrange each country by Table Q5
- 3 Collected works (nonserial)
- 4 Encyclopedias
- 5 Dictionaries
- 6 Philosophy
- 7 Nomenclature, terminology, notation, abbreviations
Communication of chemical information
- 8 General works
- 8.3 Information services
- 8.5 Chemical literature
- 9 Abstracting and indexing
- 9.15 Language. Authorship
- 9.2 Translating. Translating services
- 9.3 Computer network resources
Including the Internet
- History
- 11 General works
- 13 History of alchemy
- 14 Early works through 1800
- 15 1801-
- 18.A-Z By region or country, A-Z
- 20 Women in chemistry. Women chemists
For biography see QD21+
- Biography of chemists
Cf. QD24.A2+ Alchemists
Cf. QD903.5+ Crystallographers
- 21 Collective
- 22.A-Z Individual, A-Z
e.g.
22.C8 Curie, Marie and Pierre
- 23 Directories
Alchemy
Cf. BR115.A57 Alchemy and Christianity
- 23.3 Periodicals, societies, congresses, serial
publications

- Alchemy -- Continued
- 23.4 Collected works (nonserial)
 - 23.5 Dictionaries and encyclopedias
 - History see QD13
 - Biography
 - 24.A2 Collective
 - 24.A3-Z Individual, A-Z
 - 25 Early works through 1800
 - 26 General works, treatises, and textbooks
 - 26.5.A-Z Special topics, A-Z
 - 26.5.A4 Alkahest. Universal solvent
 - 26.5.E4 Elixir of life
 - Philosopher's stone see QD25
 - 27 Early works through 1761
 - General works, treatises, and advanced textbooks
 - 28 1761-1860
 - 31 1861-1969
 - 31.2 1970-2000
 - 31.3 2001-
 - Elementary textbooks
 - 33 To 2000
 - 33.2 2001-
 - 35 Juvenile works
 - 37 Popular works
 - 38 Recreations, home experiments, etc.
 - 39 Addresses, essays, lectures
 - 39.2 Special aspects of the subject as a whole
 - 39.3.A-Z Special topics, A-Z
 - 39.3.C6 Computer programs
 - 39.3.E4 Electromechanical analogies
 - 39.3.E46 Electronic data processing. Cheminformatics
 - Cf. RS418 Pharmaceutical chemistry
 - 39.3.F33 Factor analysis
 - 39.3.G73 Graph theory
 - 39.3.M3 Mathematics
 - 39.3.P45 Phlogiston
 - 39.3.S55 Simulated annealing
 - 39.3.S67 Spreadsheets
 - 39.3.S7 Statistical methods
 - 39.3.W37 Water
 - 39.5 Chemistry as a profession. Vocational guidance
 - 39.7 Social aspects
 - Study and teaching. Research
 - 40 General works
 - 41 Outlines, syllabi
 - 42 Problems, exercises, examinations
 - For programmed textbooks see QD28+

- Study and teaching. Research -- Continued
- 43 Experiments
Cf. QD38 Home experiments
- 45 Laboratory manuals
By region or country
United States
- 47 General works
- 47.5.A-Z By region or state, A-Z
Subarrange each state by Table Q7
- 49.A-Z Other regions or countries, A-Z
Subarrange each country by Table Q7
- Laboratories
- 51 General works
- 51.5.A-Z By region or country, A-Z
Subarrange each country by Table Q6
- Instruments and apparatus
- 53 General works
- 54.A-Z Special, A-Z
- 54.A3 Absorption apparatus
- 54.C4 Centrifuges
- 54.E8 Eudiometer
- 54.F85 Fume hoods
- 54.P5 Pipettes
- 54.S8 Sulphuric acid concentrator
- 54.T4 Thermostat
- Techniques and operations
- 61 General works
- 63.A-Z Special, A-Z
Cf. QD258+ Operations in organic chemistry
- 63.D5 Dissolution
- 63.D6 Distillation
- Electric furnace operations (Inorganic chemistry) see QD157
- Electric furnace operations (Organic chemistry) see QD277
- 63.E83 Exchange reactions
- 63.E88 Extraction
- 63.F5 Filtration
- 63.G5 Glass manipulation
- 63.H87 Hydration
- 63.H9 Hydrogenation
- 63.I55 Ion exchange
- 63.L3 Laser techniques
- 63.M3 Masking
- 63.N5 Nitration
- 63.O9 Oxidation
- 63.P4 Percolation

- Laboratories
 - Techniques and operations
 - Special, A-Z -- Continued
 - 63.R4 Reduction
 - 63.S4 Separation
 - 63.V33 Vacuum techniques
 - 63.5 Safety measures
 - 64 Waste disposal
 - 65 Handbooks, tables, formulas, etc.
Catalogs, pricelists, etc. see TP202
- Analytical chemistry
 - For the analysis of special elements and their compounds see QD181.A+
 - For the analysis of organic compounds see QD271+
 - Cf. QE516.3 Analytical geochemistry
- 71 Periodicals, societies, congresses, serial publications
 - 71.2 Collected works (nonserial)
 - 71.5 Dictionaries and encyclopedias
 - 71.8 Nomenclature, terminology, notation, abbreviations
- History
 - 72 General works
 - 72.5.A-Z By region or country, A-Z
 - General works, treatises, and textbooks
 - 75 Through 1970
 - 75.2 1971-2000
 - 75.22 2001-
 - 75.25 Addresses, essays, lectures
 - 75.3 Special aspects of the subject as a whole
 - 75.4.A-Z Special topics, A-Z
 - 75.4.A8 Automation
 - 75.4.C34 Calibration
 - 75.4.E4 Electronic data processing
 - 75.4.K54 Kinetics
 - 75.4.M36 Mathematics
 - 75.4.M4 Measurement
 - 75.4.Q34 Preparation of samples see QD75.4.S24
 - 75.4.S24 Quality control
 - 75.4.S24 Sample introduction see QD75.4.S24
 - 75.4.S25 Sample preparation. Sample introduction
 - 75.4.S8 Sampling
 - 75.4.S8 Statistical methods
 - 75.7 Study and teaching. Research
 - 75.7 General works
 - 75.9 Problems, exercises, examinations
 - 76 Laboratory manuals

- Analytical chemistry -- Continued
- 77 Reagents, indicators, test papers, etc.
 - 78 Handbooks, tables, formulas, etc.
 - 79.A-Z Methods of analysis (Qualitative and quantitative), A-Z
 - Chemical microscopy see QH221
 - Chromatographic analysis
 - 79.C4 General works
 - 79.C45 Gas chromatography
 - 79.C453 Ion exchange chromatography
 - 79.C4537 Ligand exchange chromatography
 - 79.C454 Liquid chromatography
 - 79.C46 Paper chromatography
 - 79.C75 Radiochromatography
 - 79.C8 Thin layer chromatography
 - 79.E4 Electron diffraction
 - 79.E44 Electrophoresis
 - 79.F4 Fluorimetry
 - 79.I5 Instrumental analysis
 - 79.M5 Microchemical analysis
 - Molecular emission cavity analysis see QD79.P4
 - 79.O8 Oximetry
 - 79.P4 Phosphorimetry. Molecular emission cavity analysis
 - 79.P46 Photometry
 - Radiochemical analysis see QD605+
 - 79.S4 Sedimentation analysis
 - Spectrum analysis see QD95+
 - 79.T38 Thermal analysis
 - 79.T4 Thermogravimetry
 - Qualitative analysis
 - 81 General works, treatises, and advanced textbooks
 - 83 Elementary textbooks
 - 84 Laboratory manuals
 - 85 Tables, outlines, etc.
 - 87 Blowpipe analysis
 - Cf. QE367+ Determinative mineralogy

Analytical chemistry

Qualitative analysis -- Continued

Spectrum analysis (Qualitative and quantitative)

Class here works on the applications of spectroscopy in general analytical chemistry and theoretical works intended primarily for chemists.

For general works on the theory of spectroscopy and works intended primarily for physicists see QC450+

For compilations of spectra of elements, groups of elements, organic and inorganic compounds see QC462+

For works on the applications of spectroscopy in organic analytical chemistry see QD272.S6

Cf. CC79.S65 Spectrum analysis in archaeology

95

General works

95.5.A-Z

Special topics, A-Z

95.5.D37

Data processing

95.5.S72

Statistical methods

96.A-Z

Special methods and types of spectra, A-Z

96.A2

Absorption spectra

Including cavity-ringdown spectroscopy

96.A7

Arc spectra

96.A8

Atomic spectra

Cavity-ringdown spectroscopy see QD96.A2

96.D48

Deuteron magnetic resonance spectroscopy

96.E4

Electron paramagnetic resonance spectroscopy

96.E44

Electron spectroscopy

96.E46

Emission spectroscopy

96.F5

Flame spectroscopy

96.F56

Fluorescence spectroscopy

96.F68

Fourier transform spectroscopy

Cf. QD96.I5 Fourier transform infrared spectroscopy

Cf. QD96.N8 Fourier transform nuclear magnetic resonance spectroscopy

96.I47

Inductively coupled plasma spectrometry

Class here works on all types of spectrum analytical methods using inductively coupled plasmas

96.I5

Infrared spectroscopy

Including Fourier transform infrared spectroscopy

96.I54

Ion cyclotron resonance spectroscopy

Ion mobility spectroscopy see QD96.P62

Analytical chemistry

Qualitative analysis

Spectrum analysis (Qualitative and quantitative)

Special methods and types of spectra, A-Z --

Continued

- 96.L3 Laser spectroscopy
 96.L85 Luminescence spectroscopy
 96.M3 Mass spectroscopy
 96.M33 Matrix isolation spectroscopy
 96.M5 Microwave spectroscopy
 96.M6 Mössbauer spectroscopy
 96.M65 Molecular spectra
 96.N8 Nuclear magnetic resonance spectroscopy
 Including Fourier transform nuclear
 magnetic resonance spectroscopy
 96.N84 Nuclear quadrupole resonance spectroscopy
 96.O6 Optoacoustic spectroscopy
 96.P5 Photoelectron spectroscopy
 96.P54 Photothermal spectroscopy
 96.P62 Plasma spectroscopy
 Including ion mobility spectroscopy
 Cf. QD96.147 Inductively coupled plasma
 spectrometry
 96.P7 Proton magnetic resonance spectroscopy
 96.R3 Radiofrequency spectroscopy
 96.R34 Raman spectroscopy
 96.R4 Reflectance spectroscopy
 96.R44 Relaxation spectroscopy
 96.S43 Secondary ion mass spectroscopy
 96.U4 Ultraviolet spectroscopy
 96.V53 Vibrational spectra
 96.X2 X-ray spectroscopy
 98.A-Z Other special methods, A-Z
 98.C4 Chromatography
 98.E4 Electron microprobe
 98.K5 Kinetic analysis
 98.M5 Microchemical analysis
 98.S6 Spot tests
- Quantitative analysis
 General works, treatises, and textbooks
 101 Through 1970
 101.2 1971-
 111 Volumetric analysis
 113 Colorimetric analysis
 Electrochemical analysis
 General works
 115 General works
 116.A-Z Special methods, A-Z

- Analytical chemistry
 - Quantitative analysis
 - Electrochemical analysis
 - Special methods, A-Z -- Continued
 - 116.C65 Conductometric analysis
 - 116.I57 Impedance spectroscopy
 - 116.P64 Polarography
 - 116.P68 Potentiometry
 - 116.V64 Voltammetry
 - Other special methods, A-Z
 - Chromatography
 - 117.C5-.C52 General works
 - 117.C5 Gas chromatography
 - 117.C515 Liquid chromatography
 - 117.C517 Thin layer chromatography
 - 117.C52
 - Electron diffraction
 - 117.E4
 - 117.E42 Electron microprobe. Electron probe microanalysis
 - Electrophoresis
 - 117.E45
 - Fluorimetry
 - 117.F5
 - Microchemical analysis. Microchemistry
 - 117.M5
 - Photometry
 - 117.P5
 - Radiometry. Radiation measurement
 - 117.R3
 - Spectrophotometry
 - 117.S64
 - Spectrum analysis see QD95+
 - Thermal analysis
 - 117.T4
 - 121 Gas analysis
 - Including air analysis
 - Cf. TP754 Analysis, tests, etc. in the gas industry
 - Technical analysis
 - 130 Periodicals, societies, congresses, serial publications
 - 131 General works, treatises, and textbooks
 - Metals
 - 132 General works
 - Assaying see TN550+
 - 133 Iron and steel alloys
 - Alloys (General). Nonferrous alloys
 - 135 General works
 - 137.A-Z Special metal alloys, A-Z
 - For the analysis of metallic elements see QD181.A+
 - 137.A6 Aluminum alloys
 - 137.A8 Arsenic alloys
 - 137.B3 Babbitt metal
 - 137.C5 Chromium-iron-nickel alloys

Analytical chemistry

Technical analysis

Metals

Alloys (General). Nonferrous alloys

Special metal alloys, A-Z -- Continued

137.C6

Copper alloys

137.F35

Ferrites (Magnetic materials)

137.F38

Ferroboron

137.F4

Ferrochromium

137.F44

Ferroniobium

137.F48

Ferrotungsten

137.G6

Gold alloys

Iron alloys (General) see QD133

137.M3

Magnesium alloys

137.N5

Nickel alloys

137.S5

Silver alloys

Steel alloys see QD133

137.U73

Uranium alloys

137.Z5

Zinc alloys

139.A-Z

Other special, A-Z

Air see QD121

Air pollution see TD890

Carbonated beverages see TP628+

Cement see TP882.3

Ceramics see TP810

139.C53

Cigarette smoke

Clay see TP811

Distilled beverages see TP609

139.E4

Electrolytes

Fats, oils, and waxes see TP671

Fermentation industries see TP511

Food see TX545

Gas see QD121

Gas industry see TP754

139.G5

Glass

Materials (General) see QD130+

Oils, fats, and waxes see TP671

Oils (Petroleum) see TP691

Plastics see TP1140

139.P6

Polymers

139.S44

Semiconductors

Sewage see TD735

139.S5

Silicon organic compounds

(139.T5)

Textiles

see TS1449

139.T7

Trace elements

Water see QD142

QD

- Analytical chemistry
 - Technical analysis
 - Other special, A-Z -- Continued
 - Water supply see TD380+
 - Wine see TP548.5.A5
- 142 Water analysis
 - Cf. TD380+ Water supply
- Inorganic chemistry
 - Cf. QD475 Physical inorganic chemistry
 - Cf. QE351+ Mineralogy
- 146 Periodicals, societies, congresses, serial publications
- 147 Collected works (nonserial)
- 148 Dictionaries and encyclopedias
- 149 Nomenclature, terminology, notation, abbreviations
- History
 - 149.5 General works
 - 149.7.A-Z By region or country, A-Z
 - 150 Early works through 1800
 - General works, treatises, and advanced textbooks
 - 151 1801-1969
 - 151.2 1970-2000
 - 151.3 2001-
 - 151.5 Elementary textbooks
 - 152 Addresses, essays, lectures
 - 152.3 Special aspects of the subject as a whole
 - 152.5.A-Z Special topics, A-Z
 - 152.5.M38 Mathematics
 - Reaction mechanisms see QD502.5
 - Study and teaching. Research
 - 153 General works
 - 153.5 Outlines, syllabi, etc
 - 154 Problems, exercises, examinations
 - 155 Laboratory manuals
 - 155.5 Handbooks, tables, formulas, etc.
 - 156 Inorganic synthesis
 - 157 Electric furnace operations
 - Cf. QD277 Electric furnace operations (Organic)
- Nonmetals
 - 161 General works
 - 162 Gases
 - 163 Chemistry of the air
 - Cf. TD881+ Air pollution
 - 165 Halogens: Bromine, chlorine, fluorine, iodine

- Inorganic chemistry
- Nonmetals -- Continued
- 167 Inorganic acids
Cf. QD477 General theory of acids and bases
- 169.A-Z Other, A-Z
- 169.C5 Chalcogenides
- Heavy water see QD169.W3
- 169.W3 Water
Cf. GB855+ Natural water chemistry
- Metals
- Cf. TN600+ Metallurgy
- 171 General works, treatises, and textbooks
- 172.A-Z By group, A-Z
- 172.A3 Actinide elements
- 172.A4 Alkali metals
- 172.A42 Alkaline earth metals
- 172.I7 Iron group
- 172.M4 Magnesium group
- 172.P8 Platinum group
- 172.P88 Precious metals
- 172.R2 Rare earth metals
- 172.S6 Spinel group
- 172.S93 Superheavy elements
Cf. QC796.2 Nuclear physics
- 172.T52 Titanium group
- 172.T6 Transition metals
- 172.T65 Transplutonium elements
- 172.T7 Transuranium elements
- 181.A-Z Special elements. By chemical symbol, A-Z
(Table Q1)
Class here works on the origin, properties,
preparation, reactions, isotopes, and
analytical chemistry of individual
elements and their inorganic compounds.
For the determination of atomic and molecular
weights see QD464.A+
- Salts
- 189 General works
- 191 Double salts
- 193 Complex salts
- 196 Inorganic polymers and polymerization
- 197 Cyclic compounds
- Organic chemistry
- Cf. QD476 Physical organic chemistry
- Cf. QD478 Solids. Solid state chemistry
(Inorganic and organic)

- Organic chemistry -- Continued
- 241 Periodicals, societies, congresses, serial collections
 - 243 Yearbooks
 - 245 Collected works (nonserial)
 - 246 Dictionaries and encyclopedias
 - History
 - 248 General works
 - 248.5.A-Z By region or country, A-Z
 - General works, treatises, and advanced textbooks
 - 251 Through 1970
 - 251.2 1971-2000
 - 251.3 2001-
 - Elementary textbooks
 - 253 To 2000
 - 253.2 2001-
 - Nomenclature, terminology, notation, abbreviations see QD291
 - 254 Classification
 - 255 Addresses, essays, lectures
 - 255.4 Special aspects of the subject as a whole
 - 255.5.A-Z Special topics, A-Z
 - 255.5.E4 Electronic data processing
 - 255.5.M35 Mathematics
 - 255.5.R33 Radiation effects
 - Reaction mechanisms see QD502.5
 - Study and teaching. Research
 - 256 General works
 - 256.5 Outlines, syllabi
 - 257 Problems, exercises, examinations
 - 257.5 Experiments
 - 257.7 Handbooks, tables, formulas, etc.
 - Operations in organic chemistry
 - 258 General works
 - 261 Laboratory manuals
 - 262 Organic synthesis
 - Including general works on combinatorial chemistry
 - For works on pharmaceutical aspects of combinatorial chemistry see RS419

- Organic chemistry
 Operations in organic chemistry -- Continued
 Organic analysis
 Class here general works on the analysis of organic compounds
 For the analysis of specific organic compounds or groups of compounds, see QD301
 For works on the analysis of both organic and inorganic compounds see QD71+
- 271.A1 Periodicals, societies, congresses, serial publications
- 271.A2-Z General works, treatises, and textbooks
- 271.4 Qualitative analysis
 Prefer QD272 for special methods in qualitative analysis
- 271.7 Quantitative analysis
 Prefer QD272 for special methods in quantitative analysis
- 272.A-Z Special methods of analysis (Qualitative and quantitative), A-Z
- Chromatography
- 272.C4 General works
- 272.C44 Gas chromatography
- 272.C444 Gel permeation chromatography
- 272.C447 Liquid chromatography
- 272.C45 Thin layer chromatography
- 272.C6 Colorimetric analysis
- 272.E4 Electrochemical analysis
- 272.E43 Electrophoresis
- 272.E5 Enzymatic analysis
- 272.M5 Microchemical analysis
- 272.P5 Photometry
- 272.S57 Spectrophotometry
- 272.S6 Spectrum analysis
 Works on the application of spectroscopy in general or inorganic analytical chemistry are classed in QD95
 For compilations of spectra see QC462+
- 272.T45 Thermal analysis
- 272.V6 Volumetric analysis
- 273 Electrochemistry of organic compounds
 Cf. QP517.B53 Bioelectrochemistry
- 275 Organic photochemistry
 Cf. QP517.P45 Photobiochemistry
- 277 Electric furnace operations
- 281.A-Z Other special, A-Z

Organic chemistry

Operations in organic chemistry

Other special, A-Z -- Continued

- 281.A2 Acylation
- 281.A5 Alkylation
- 281.A6 Amination
- 281.A63 Ammonolysis
- 281.B7 Bromination
- 281.C3 Catalysis
- 281.C5 Chlorination
- 281.C7 Condensation
- Cyclization see QD281.R5
- 281.D4 Dehydrogenation
- 281.D47 Dialysis
- 281.D5 Distillation
- 281.E4 Elimination reactions
- 281.F5 Flotation
- 281.F55 Fluorination
- 281.F7 Fragmentation reactions
- 281.H3 Halogenation
- 281.H78 Hydroboration
- 281.H79 Hydroformylation
- 281.H8 Hydrogenation
- 281.H83 Hydrolysis
- 281.H84 Hydrosilylation
- 281.H85 Hydroxylation
- 281.I7 Isotopic exchange reactions
- 281.M48 Methylation
- 281.N5 Nitration
- 281.O9 Oxidation
- 281.O95 Ozonolysis. Ozonization
- 281.P46 Phosphorylation
- 281.P6 Polymerization. Telomerization
- 281.P9 Pyrolysis
- 281.Q5 Quinoidation
- 281.R35 Rearrangement reactions. Rearrangements
- 281.R4 Reduction
- 281.R5 Ring formation
 - Including ring breaking, enlargement, and closure, and ring-opening polymerization
- 281.S5 Silylation
- 281.S6 Solvolysis
- 281.S67 Substitution reactions
- 281.S7 Sulphonation
- Telomerization see QD281.P6
- 291 Nomenclature, terminology, notation, abbreviations

Organic chemistry -- Continued

Aliphatic compounds

- 300 Periodicals, societies, congresses, serial publications
- 301 General works, treatises, and textbooks
- 302 Special aspects of the subject as a whole
- 305.A-Z Special groups, A-Z
Including works on both aliphatic and aromatic aspects of functional groups
For works on special groups of aromatic compounds only see QD341.A+
- 305.A2 Acids and esters
- 305.A4 Alcohols
- 305.A6 Aldehydes and other carbonyl compounds
For ketones see QD305.K2
- 305.A7 Amides and hydrazides
Cf. QD315 Urea
Amino acids see QD431+
- 305.A8 Amino compounds
- 305.A9 Azo, hydrazo, and diazo compounds
- 305.C3 Carbanions and carbonium ions, free radicals, ylides
- 305.E7 Ethers and oxides
- 305.F2 Fats and fatty oils
Cf. QP751+ Animal biochemistry
Cf. TP669+ Chemical technology
Free radicals see QD305.C3
Glycols see QD305.A4
- 305.H15 Halogen compounds
- Hydrocarbons
- 305.H5 General works
- 305.H6 Alkanes (Paraffins)
- 305.H7 Alkenes (Olefins)
- 305.H8 Alkynes (Acetylene, etc.)
- 305.H9 Alicyclic compounds (Non-aromatic compounds with ring structure)
- 305.I6 Imides, imidoesters, etc.
- 305.K2 Ketones, ketenes, and oximes
- 305.N7 Nitriles and cyanogen derivatives
- 305.N8 Nitro and nitroso compounds
- 305.N84 Nitrogen derivatives (General)
- 305.P46 Phosphorus derivatives (General)
- Radicals see QD305.C3
- 305.S54 Silicon compounds
- 305.S83 Sulphones
- 305.S84 Sulphur derivatives (General)
- 305.T45 Thio compounds

Organic chemistry

Aliphatic compounds

Special groups, A-Z -- Continued

Ylides see QD305.C3

315

Urea and related compounds

Cf. QP801.U7 Animal biochemistry

Carbohydrates

Including sugars, starch, etc.

Cf. QP701+ Animal biochemistry

Cf. TP375+ Sugar manufacture

Cf. TP415+ Starch

320

Periodicals, societies, congresses, serial publications

321

General works, treatises, and textbooks

322.A-Z

Special topics, A-Z

322.A52

Analysis

322.S95

Synthesis

323

Cellulose

Including hemicellulose

325

Glycosides

Including glucosides, mannosides, and galactosides

327

Tannins

Aromatic compounds

Cf. QD390+ Condensed benzene rings

Cf. QD399+ Heterocyclic compounds

330

Periodicals, societies, congresses, serial publications

331

General works, treatises, and textbooks

335

Special aspects of the subject as a whole

341.A-Z

Special groups, A-Z

341.A2

Acids and esters

341.A4

Alcohols

341.A6

Aldehydes and other carbonyl compounds

For ketones see QD341.K2

341.A7

Amides and hydrazides

Amino acids see QD431+

341.A8

Amino compounds

341.A83

Annulenes

341.A9

Azo, hydrazo, and diazo compounds

Benzene see QD341.H9

341.E7

Ethers and oxides

341.H8

Halogen compounds

341.H9

Hydrocarbons, benzene, etc.

341.I6

Imino compounds

341.K2

Ketones

341.N7

Nitriles and cyanogen derivatives

Organic chemistry

Aromatic compounds

Special groups, A-Z -- Continued

- 341.N8 Nitro and nitroso compounds
- 341.N83 Nitrogen derivatives (General)
- 341.P5 Phenols
- 341.P6 Pseudophenols
- 341.Q4 Quinones
- 341.S3 Sulphur derivatives (General)
- 341.S6 Sulphoxides and solphones
- 341.S8 Sulphonium compounds

Antibiotics

Cf. QP801.A63 Animal biochemistry

Cf. RM265+ Therapeutics

375 General works, treatises, and textbooks

377.A-Z

Special substances, A-Z

- 377.C4 Cephalosporin
- 377.C5 Chloromycetin
- 377.P4 Penicillin
- 377.P55 Pimaricin
- 377.S8 Streptomycin
- 377.S85 Streptothricin
- 377.T45 Tetracycline
- 377.V5 Viomycin

Polymers. Macromolecules

Class here general works on chemical and physical properties of polymers

For works on physical properties see

QC173.4.P65

Cf. QD139.P6 Technical analysis

Cf. QD196 Inorganic polymers

Cf. QD281.P6 Polymerization (Organic chemistry)

Cf. QD399+ Macrocyclic compounds

Cf. TP156.P6 Polymerization (Chemical engineering)

Cf. TP1080+ Polymer technology

380 Periodicals, societies, congresses, serial publications

380.3 Dictionaries and encyclopedias

380.6 Nomenclature, terminology, notation, abbreviations

380.7 Classification

381 General works, treatises, and textbooks

381.3 Juvenile works

381.7 Addresses, essays, lectures

381.8 Special aspects of the subject as a whole

QD

Organic chemistry

Polymers. Macromolecules -- Continued

- 381.9.A-Z Special topics, A-Z
- 381.9.A25 Acoustic properties
- 381.9.C64 Conformational analysis
- 381.9.D47 Deterioration
- 381.9.E38 Electric properties
- 381.9.E4 Electronic data processing
- Fractionation see QD381.9.S44
- 381.9.M3 Mathematical models
- 381.9.M64 Molecular weights
- 381.9.O66 Optical properties
- 381.9.P45 Permeability
- 381.9.P56 Photochemistry
- 381.9.R3 Radiation effects
- 381.9.R43 Reduced gravity effects
- 381.9.R48 Rheology
- Ring-opening polymerization see QD281.R5
- 381.9.S44 Separation. Fractionation
- 381.9.S65 Solubility and solutions
- 381.9.S87 Structure
- 381.9.S97 Surfaces and interfaces
- 381.9.T54 Thermal properties
- 382.A-Z Special types, A-Z
- 382.B47 Biomimetic polymers
- 382.B5 Block copolymers
- 382.C66 Conductors
- Crosslinked polymers see QD382.P67
- 382.C78 Crystalline polymers
- 382.E48 Emulsion polymers
- 382.F55 Fluorescent polymers
- 382.G7 Graft copolymers
- 382.H4 Heat resistant polymers
- 382.I43 Imprinted polymers
- 382.I45 Ionomers
- 382.O43 Oligomers
- Photochromic polymers see QD382.P45
- 382.P45 Photopolymers. Photochromic polymers
- 382.P64 Polyelectrolytes
 - Including polyampholytes
- Polymer colloids see QD549.2.P64
- Polymer liquid crystals see QD923
- 382.P67 Polymer networks. Crosslinked polymers
- 382.S4 Semiconductors
- 382.T44 Telechelic polymers
- 382.W3 Water-soluble polymers
- 383.A-Z Special substances, A-Z

Organic chemistry

Polymers. Macromolecules

Special substances, A-Z -- Continued

- 383.A27 Acrylic polymers
 383.A55 Amine polymers
 383.A95 Azo polymers
 383.B67 Boron organic polymers
 383.E66 Epoxy polymers
 383.F48 Fluoropolymers
 383.F84 Fullerene polymers
 383.G57 Glutamic acid polymers
 Methacrylate polymers see QD383.A27
 383.S54 Silicon polymers
 383.V56 Vinyl polymers
 385 Laboratory manuals
 388 Handbooks, tables, formulas, etc.
- Condensed benzene rings
 390 General works, treatises, and textbooks
 390.3 Special aspects of the subject as a whole
 391 Naphthalene and naphthalene derivatives
 393 Anthracene and anthracene derivatives
 395 Phenanthrene and phenanthrene derivatives
- Heterocyclic and macrocyclic chemistry and compounds
 399 Periodicals, societies, congresses, serial publications
 400 General works, treatises, and textbooks
 400.3 Special aspects of the subject as a whole
 400.5.A-Z Special topics, A-Z
 400.5.S95 Synthesis
 401 Cyclic compounds containing N
 403 Cyclic compounds containing S
 405 Cyclic compounds containing O
 406 Cyclic compounds containing P
- Organometallic chemistry and compounds
 Cf. QD882 Supramolecular organometallic chemistry
 410 Periodicals, societies, congresses, serial publications
 411 General works, treatises, and textbooks
 411.5 Addresses, essays, lectures
 411.7.A-Z Special topics, A-Z
 411.7.A53 Analysis
 411.7.B37 Barbier reactions
 411.7.S94 Synthesis
 411.7.T47 Thermal properties
 411.8.A-Z Special groups of substances, A-Z

- Organic chemistry
Organometallic chemistry and compounds
Special groups of substances, A-Z -- Continued
- 411.8.A47 Alkoxides
Including aryloxides
- 411.8.R37 Rare earth metals
- 411.8.T73 Transition metals
- 412.A-Z Special compounds. By chemical symbol of added element, A-Z (Table Q1)
- 412.5 Handbooks, tables, formulas, etc.
- Biochemistry
Class here works on chemical aspects of biological materials
Cf. QD476.2 Physical biochemistry
Cf. QH345 General biochemistry of plants and animals
Cf. QK861+ Plant biochemistry
Cf. QP501+ Animal biochemistry
- 415.A1 Periodicals, societies, congresses, serial publications
- 415.A2 Collected works (nonserial)
- 415.A25 Dictionaries and encyclopedias
- 415.A3-Z General works, treatises, and textbooks
- 415.2 Addresses, essays, lectures
- 415.3 Problems, exercises, examinations
- 415.5 Laboratory manuals
- 415.7 Handbooks, tables, formulas, etc.
Antibiotics see QD375+
Terpenes, camphors, etc. Essential oils
Cf. TP958+ Essences (Chemical technology)
- 416.A1 Periodicals, societies, congresses, serial publications
- 416.A3-Z General works, treatises, and textbooks
- 416.2 Addresses, essays, lectures
- 416.3 Problems, exercises, examinations
- 416.5 Laboratory manuals
- 416.7 Handbooks, tables, formulas, etc.
- Gums and resins
Cf. TP977+ Chemical technology
Cf. TP1101+ Plastic materials for synthetic gums and resins
- 419.A1 Periodicals, societies, congresses, serial publications
- 419.A3-Z General works, treatises, and textbooks
- 419.2 Addresses, essays, lectures
- 419.3 Problems, exercises, examinations
- 419.5 Laboratory manuals

Organic chemistry

Biochemistry

Gums and resins -- Continued

419.7 Handbooks, tables, formulas, etc.

Alkaloids

Cf. QK898.A4 Plant constituent

Cf. RM666.A4 Therapeutics

Cf. RS431.A53 Pharmaceutical chemistry

421.A1 Periodicals, societies, congresses, serial publications

421.A3-Z General works, treatises, and textbooks

421.2 Addresses, essays, lectures

421.3 Problems, exercises, examinations

421.5 Laboratory manuals

421.7 Handbooks, tables, formulas, etc.

Steroids

Cf. QP752.S7 Animal biochemistry

Cf. RS163.S8 Materia medica

426.A1 Periodicals, societies, congresses, serial publications

426.A3-Z General works, treatises, and textbooks

426.2 Addresses, essays, lectures

426.3 Problems, exercises, examinations

426.5 Laboratory manuals

426.7 Handbooks, tables, formulas, etc.

Proteins, peptides, amino acids, etc.

Cf. QP551+ Animal biochemistry

Cf. TX553.P7 Special constituents of food

431.A1 Periodicals, societies, congresses, serial publications

431.A3-Z General works, treatises, and textbooks

431.2 Addresses, essays, lectures

431.25.A-Z Special topics, A-Z

431.25.A53 Analysis

431.25.D47 Derivatives

431.25.S85 Structure

431.25.S93 Synthesis

431.3 Problems, exercises, examinations

431.5 Laboratory manuals

431.7 Handbooks, tables, formulas, etc.

Nucleic acids

433.A1 Periodicals, societies, congresses, serial publications

433.A3-Z General works, treatises, and textbooks

433.5.A-Z Special topics, A-Z

433.5.S77 Structure

434 Ribonucleic acids

- Organic chemistry
 - Biochemistry
 - Nucleic acids -- Continued
 - 435 Deoxyribonucleic acids
 - 436.A-Z Other related substances, A-Z
 - 436.N85 Nucleotides
 - 441 Colored compounds
 - Including phthaleins, eosin, animal and plant pigments
 - Cf. QK899 Botany
 - Cf. QP670+ Animal biochemistry
 - Cf. TP909.2+ Chemical technology
 - Physical and theoretical chemistry
 - Cf. QC170+ Constitution and properties of matter
 - 450 Periodicals, societies, congresses, serial publications
 - 450.2 Collected works (nonserial)
 - 451 Dictionaries and encyclopedias
 - 451.5 Nomenclature, terminology, notation, abbreviations
 - History
 - 452 General works
 - 452.5.A-Z By region or country, A-Z
 - General works, treatises, and textbooks
 - 453 Through 1970
 - 453.2 1971-2000
 - 453.3 2001-
 - 455 Addresses, essays, lectures
 - 455.2 Special aspects of the subject as a whole
 - 455.3.A-Z Special topics, A-Z
 - 455.3.C64 Computer simulation
 - 455.3.E4 Electronic data processing
 - 455.3.F73 Fractals
 - 455.3.G7 Graphic methods
 - 455.3.G75 Group theory
 - 455.3.L53 Lie algebras
 - 455.3.M3 Mathematics
 - 455.3.T65 Topology
 - Study and teaching. Research
 - 455.5 General works
 - 455.7 Outlines, syllabi
 - 456 Problems, exercises, examinations
 - 457 Laboratory manuals
 - 457.2 Computer-assisted instruction
 - 458 Handbooks, tables, formulas, etc.

- Physical and theoretical chemistry -- Continued
- 461 Atomic and molecular theory and structure. Laws of chemical combination and chemical bonds.
Molecular dimensions
Cf. QD469 Valence
- 461.5 Excited state chemistry
- Quantum chemistry
- 462.A1 Periodicals, societies, congresses, serial publications
- 462.A3-Z General works, treatises, and textbooks
- 462.5 Addresses, essays, lectures
- 462.6.A-Z Special topics, A-Z
- 462.6.D38 Data processing
- 462.6.D45 Density functionals
- 462.6.D46 Density matrices
- 462.6.E53 Energy levels
- 462.6.M36 Many-body methods
- 462.6.M39 Mathematics
- 462.6.P68 Potential energy surfaces
- 462.6.R42 Relativistic effects
- 462.6.R44 Relaxation phenomena
- 462.6.S25 Scaling
- 462.6.S94 Symmetry groups
- 462.7 Problems, exercises, examinations
- 462.9 Handbooks, tables, formulas, etc.
- Atomic and molecular weights
- 463 General works, treatises, and textbooks
- 464.A-Z Individual elements and their compounds. By chemical symbol of principal element, A-Z (Table Q1)
- Chemical elements
- Nature and properties
- 466 General works
- 466.5 Isotopes
For isotopes of individual elements see QD181.A+
Cf. QD601+ Radiochemistry
Cf. TK9400+ Radioisotopes in nuclear engineering
- 467 Classification. Periodic law
- 469 Valence
Cf. QC176.8.V34 Valence fluctuations
- 470 Allotropy
- 471 Chemical compounds - Structure and formulas
Including isomerism, mesomerism, tautomerism
Cf. QD481 Stereochemistry

Physical and theoretical chemistry -- Continued

- 473 Physical properties in relation to structure
Including odor, color, and optical properties
Cf. QD441 Colored organic compounds
Cf. QD931+ Physical properties of crystals
- 474 Complex compounds
Including clathrate and coordination
compounds, chelates, and hydrates
Cf. QD410+ Organometallic compounds
- 475 Physical inorganic chemistry
- 476 Physical organic chemistry
- 476.2 Physical biochemistry
- 477 Acids and bases (General theory)
- 478 Solids. Solid state chemistry (Inorganic and
organic)
Cf. QC176+ Solid state physics
Cf. QD506+ Surface chemistry
Cf. QD901+ Crystallography
Cf. TN689+ Physical metallurgy
- 480 Models of atoms, molecules, or chemical compounds
- 481 Stereochemistry. Molecular rotation
Cf. QP517.S83 Biochemistry
- Conditions and laws of chemical reactions
- 501 General works
Chemical kinetics and mechanisms
- 502 General works
- 502.2 Nonlinear chemical kinetics. Oscillating
chemical reactions
- 502.5 Reaction mechanisms
Including inorganic and organic mechanisms
- 503 Chemical equilibrium. Phase rule, etc.
- 504 Thermodynamics
- 505 Catalysis
Cf. QD569 Electrocatalysis
Cf. QD716.P45 Photocatalysis
- 505.5 Chemical affinity and reactivity
- 505.8 Chemiluminescence
- Surface chemistry
- 506.A1 Periodicals, societies, congresses, serial
publications
- 506.A3-Z General works, treatises, and textbooks
- 508 Addresses, essays, lectures
- 509.A-Z Special topics, A-Z
- 509.G37 Gas-solid interfaces
- 509.L54 Liquid-liquid interfaces
- Liquid-solid interfaces see QD509.S65
- 509.M46 Metallic oxides

- Physical and theoretical chemistry
- Surface chemistry
- Special topics, A-Z -- Continued
- 509.M65 Monomolecular films
- 509.S65 Solid-liquid interfaces
- Thermochemistry
- Cf. QC301+ Change of state (Physics)
- Cf. QD79.T38 Thermal analysis (Analytical chemistry)
- Cf. QD117.T4 Thermal analysis, Quantitative
- Cf. QD157 Electric furnace operations (Inorganic chemistry)
- Cf. QD277 Electric furnace operations (Organic chemistry)
- 510 Periodicals, societies, congresses, serial publications
- 511 General works, treatises, and textbooks
- 511.3 Addresses, essays, lectures
- 511.7 Problems, exercises, examinations
- 511.8 Handbooks, tables, formulas, etc.
- 515 Chemistry of high and low temperatures
- 516 Heat of formation, combustion, flame, explosion
- Cf. TH9446.3+ Flammability of materials
- Cf. TJ254.5+ Combustion engineering
- 517 Dissociation
- 518 Melting and boiling points
- 526 Fractional distillation
- Cf. QD63.D6 Special operations in chemistry
- Cf. QD281.D5 Operations in organic chemistry
- Cf. TP156.D5 Chemical engineering processes
- Cf. TP589+ Distilling industries
- 531 Manipulation of gases and vapors
- Cf. TP242+ Chemical technology of gases
- 533 Vapor densities
- 535 Liquefaction of gases
- Cf. TP243 Manufacture of liquefied gases
- 536 Research at low temperatures
- Cf. TP480+ Low temperature engineering
- 538 Chemistry of high and low pressures
- Theory of solution
- Cf. QC182+ Special properties of matter
- Cf. QD565 Electrolyte solutions
- 540 Periodicals, societies, congresses, serial publications
- 541 General works, treatises, and textbooks
- 543 Solubility, osmotic pressure, diffusion, etc.
- Solvents

Physical and theoretical chemistry

Theory of solution

Solvents -- Continued

544

General works

544.3

Aqueous

544.5

Nonaqueous

Cf. TP247.5 Technology of organic solvents

545

Freezing points and vapor pressures

547

Flocculation, precipitation, adsorption, etc.

548

Supersaturated solutions. Crystallization, etc.

Cf. QD921+ Crystal structure and growth

Colloids, sols, gels

Cf. QP525 Animal biochemistry

Cf. S593.3 Soil colloids

549

General works

549.2.A-Z

Special topics, A-Z

549.2.C64

Colloidal crystals

549.2.C66

Complex fluids

549.2.P64

Polymer colloids

Electrochemistry. Electrolysis

Cf. QC610.3+ Electric conductivity,
electromotive force

Cf. QD115+ Electrochemical analysis

Cf. QD272.E4 Electrochemical analysis of
organic compoundsCf. QD273 Electrochemistry of organic
compoundsCf. QD880 Electrochemistry of supramolecular
compounds

Cf. QP517.B53 Bioelectrochemistry

Cf. TP250+ Industrial electrochemistry

551

Periodicals, societies, congresses, serial
publications

552

Collected works (nonserial)

552.5

Dictionaries and encyclopedias

553

General works, treatises, and textbooks

554

Popular works

554.5

Juvenile works

555

Addresses, essays, lectures

555.5

Special aspects of the subject as a whole

555.6.A-Z

Special topics, A-Z

555.6.E4

Electronic data processing

555.6.G74

Green's functions

555.6.I58

Interfaces

555.6.L37

Laser electrochemistry

555.6.M36

Mathematical models

555.6.N65

Nonaqueous solvents

- Physical and theoretical chemistry
 Electrochemistry. Electrolysis
 Special topics, A-Z -- Continued
 Spectrum analysis
- 555.6.S65
 555.8
 556
 557
 558
 558.2.A-Z
 559
 560
 561
 562.A-Z
 562.A54
 562.A75
 562.E44
 562.E45
 562.H93
 562.I63
 562.I65
 562.M54
 564
 565
 568
 569
 571
 572.A-Z
 572.A65
 572.C37
 572.G53
 572.H94
 572.I66
 572.I76
 572.N53
 572.O85
 572.O88
 572.S95
- Study and teaching. Research
 Problems, exercises, examinations
 Laboratory manuals
 Electrochemical laboratories
 General works
 By region or country, A-Z
 Subarrange each country by Table Q6
 Instruments and apparatus
 Handbooks, tables, formulas, etc.
 Ions and ionization
 General works
 Special topics, A-Z
 Anion separation
 Aqua ions
 Dissociation see QD562.I65
 Electromotive force
 Electrophoresis
 Hydrogen-ion concentration
 Ion exchange. Ion exchange membranes
 Ionization. Dissociation
 Migration and velocity
 Photodissociation see QD716.P48
 Photoionization see QD716.P48
 Velocity see QD562.M54
 Electric double layer
 Electrolytes, electrolyte solutions
 Cf. TS672 Plating baths
 Electrolytic cells
 Cf. TK2901+ Electric power production from
 chemical action
 Electrocatalysis
 Electrode phenomena. Polarization, etc.
 Special electrodes, A-Z
 Alkali metal
 Carbon
 Glass
 Hydrides
 Ion selective
 Iron
 Nickel
 Oxide
 Oxygen
 Sulphur

- Physical and theoretical chemistry
- Electrochemistry. Electrolysis -- Continued
 - 575.A-Z Special groups of substances, A-Z
 - 575.C65 Complex compounds
 - 575.G53 Glass
 - 576.A-Z Special substances. By chemical symbol of principal element, A-Z (Table Q1)
 - 578 Photoelectrochemistry
 - 581 Plasma chemistry
 - Cf. TP156.P5 Industrial plasma chemistry
 - 591 Magnetochemistry
 - Cf. QD940 Magnetic properties of crystals
 - Radiochemistry. Nuclear chemistry
 - Cf. QC794.95+ Radioactivity, radioactive substances in nuclear physics
 - Cf. TK9350 Nuclear engineering
 - Cf. TP249 Industrial radiochemistry.
 - Industrial radiation chemistry
 - 601.A1 Periodicals, societies, congresses, serial publications
 - 601.A2 Collected works (nonserial)
 - General works, treatises, and textbooks
 - 601.A4-Z Through 1970
 - 601.2 1971-2000
 - 601.3 2001-
 - 602 Addresses, essays, lectures
 - 602.4 Special aspects of the subject as a whole
 - 602.5.A-Z Special topics, A-Z
 - 602.5.E4 Electronic data processing
 - 603.A-Z Special substances. By chemical symbol of principal element, A-Z (Table Q1)
 - Study and teaching. Research
 - 604 General works
 - 604.3 Problems, exercises, examinations
 - 604.5 Experiments
 - 604.7 Laboratory manuals
 - Radiochemical laboratories. Hot laboratories
 - Cf. QC788+ Nuclear physics research laboratories and projects
 - 604.8 General works
 - 604.85.A-Z By region or country, A-Z
 - Subarrange each country by Table Q6
 - 604.9 Handbooks, tables, formulas, etc.
 - Radiochemical analysis
 - 605 General works
 - 606 Radioactivation analysis. Nuclear activation analysis

- Physical and theoretical chemistry
- Radiochemistry. Nuclear chemistry
 - Radiochemical analysis -- Continued
 - 607 Tracer techniques
 - For applications in special fields, see the field, e.g. QH324.3 Biology
 - 608 Isotope dilution analysis
 - Radiation chemistry
 - Cf. QC474+ Radiation physics
 - Cf. TA418.6 Radiation effects and tests of materials
 - Cf. TP249 Industrial radiochemistry. Industrial radiation chemistry
 - 625 Periodicals, societies, congresses, serial publications
 - 626 Collected works (nonserial)
 - General works, treatises, and textbooks
 - 635 Through 1970
 - 636 1971-
 - 641 Addresses, essays, lectures
 - 642 Special aspects of the subject as a whole
 - 643.A-Z Special topics, A-Z
 - 643.C5 Chemical dosimetry
 - 643.P84 Pulse radiolysis
 - Study and teaching. Research
 - 646 General works
 - 646.3 Problems, exercises, examinations
 - 646.5 Experiments
 - 646.7 Laboratory manuals
 - 649 Handbooks, tables, formulas, etc.
 - Special substances. By name, A-Z
 - 651.A-Z
 - 651.A36 Actinide elements
 - 651.A4 Alcohol
 - 651.A45 Ammonia
 - 651.C37 Carbohydrates
 - 651.H93 Hydrocarbons
 - 651.M38 Mercapto compounds. Thiols
 - 651.M4 Methanol
 - 651.N5 Nitrous oxide
 - 651.P6 Polymers
 - Thiols see QD651.M38
 - 651.W3 Water
 - 655 Particular types of radiation and chemical reaction, e.g. x-rays (not A-Z)

Physical and theoretical chemistry -- Continued

Photochemistry

- Cf. QD275 Organic photochemistry
- Cf. QD578 Photoelectrochemistry
- Cf. QP517.P45 Photobiochemistry
- Cf. TP249.5 Industrial photochemistry
- Cf. TR200+ Photographic chemistry

- 701 Periodicals, societies, congresses, serial publications
 General works, treatises, and textbooks
- 708 Through 1970
 708.2 1971-
- 714 Addresses, essays, lectures
 715 Special aspects of the subject as a whole
 716.A-Z Special topics, A-Z
 716.F54 Flash photolysis
 716.L37 Laser photochemistry
 Including femtochemistry
- 716.O95 Oxidation-reduction
 716.P45 Photocatalysis
 716.P47 Photochromism
 716.P48 Photodissociation. Photoionization
 Class here general works on chemical and physical aspects of photoionization.
 For works on the physics of ionization produced by photons of light, X-rays or gamma rays see QC702.7.P48
- 716.P5 Photopolymerization
 Class here general works on photopolymerization
 For works on inorganic polymerization see QD196
 For works on organic polymerization see QD281.P6
- 719 Handbooks, tables, formulas, etc.
 730.A-Z Special groups of substances, A-Z
 730.C65 Coordination compounds
 Polymers see QD381.9.P56
 730.S35 Semiconductors
 730.T73 Transition metal compounds
 731.A-Z Special substances. By chemical symbol of principal element, A-Z (Table Q1)
- 801 Sonochemistry
 Cf. TP156.A33 Industrial use of sounds and ultrasonics
- 850 Mechanical chemistry
 Supramolecular chemistry

Physical and theoretical chemistry -- Continued

Cf. QD380+ Macromolecules

- 875 Periodicals, societies, congresses, serial publications
- 878 General works, treatises, and textbooks
- 880 Electrochemistry of supramolecular compounds
- 882 Supramolecular organometallic chemistry

Crystallography

Cf. QE372+ Descriptive mineralogy

- 901 Periodicals, societies, congresses, serial publications
- 901.2 Collected works (nonserial)
- 902 Dictionaries and encyclopedias
- 902.5 Nomenclature, terminology, notation, abbreviations

History

- 903 General works
- 903.3.A-Z By region or country, A-Z
- Biography of crystallographers
- 903.5 Collective
- 903.6.A-Z Individual, A-Z
- 903.8 Directories
- 904 Early works through 1800
- General works, treatises, and textbooks
- 905 1801-1969
- 905.2 1970-
- 906 Pictorial works and atlases
- 906.3 Juvenile works
- 906.5 Addresses, essays, lectures
- 906.6 Special aspects of the subject as a whole
- 906.7.A-Z Special topics, A-Z
- 906.7.E37 Electron microscopy
- 906.7.E4 Electronic data processing
- Statistical methods see QD919
- Study and teaching. Research
- 907 General works
- 907.3 Problems, exercises, examinations
- 907.5 Laboratory manuals
- 907.7 Instruments and apparatus
- 908 Handbooks, tables, formulas, etc.
- Geometrical and mathematical crystallography
- 911 General works
- 912 Fundamental systems
- Including tetragonal, orthorhombic, monoclinic systems
- 913 Diagrams
- 915 Goniometric measurements

- Crystallography
Geometrical and mathematical crystallography --
Continued
- 919 Statistical methods
Crystal structure and growth
Including crystal lattices, defects, and
dislocations
For lattice dynamics see QC176.8.L3
Cf. QD548 Crystallization in solutions
Cf. QD549.2.C64 Colloidal crystals
- 921 General works
- 923 Liquid crystals
Including polymer liquid crystals
Cf. QC173.4.L55 Physics
Cf. TP1180.P666 Chemical technology
- 925 Polycrystals
- 926 Quasicrystals
Cf. QC173.4.Q36 Physics
- Physical properties of crystals
Cf. QC176+ Solids, solid state physics
- 931 General works
- 933 Mechanical properties
Including cohesion, elasticity, plasticity,
cleavage, hardness
- 937 Thermal properties
- 939 Electric properties
Cf. QC595 Pyroelectricity
Cf. QC595.5 Piezoelectricity
- 940 Magnetic properties
- 941 Optical properties
Including isotropy, anisotropy,
refractivity, reflectivity, crystal
rotation
Cf. QC440+ Polarization
- 945 X-ray crystallography
- 947 Other physical properties (not A-Z)
- 951 Chemical crystallography
Including relationships between structure and
bonding, isomorphism, polymorphism,
pseudomorphism
- 999 Miscellany and curiosa

Geology

- For economic geology and mineral resources see TN1+
- Cf. QB603.G46 Planetary geology
- Cf. QH343.4 Geobiology
- Cf. TA703+ Engineering geology
- Cf. UG465+ Military geology
- 1 Periodicals, societies, congresses, serial publications
- 3 Collected works (nonserial)
- 4 Voyages and expeditions
- 5 Dictionaries and encyclopedias
- 6 Philosophy
- 7 Nomenclature, terminology, notation, abbreviations
- History
 - 11 General works
 - 13.A-Z By region or country, A-Z
- Biography
 - 21 Collective
 - 22.A-Z Individual, A-Z
 - e.g.
 - 22.D25 Dana, James Dwight
 - 22.L8 Lyell, Charles
 - 22.S77 Steno, Nicolaus
- 23 Directories
- 25 Early works through 1800
- General works, treatises, and advanced textbooks
 - 26 1801-1969
 - 26.2 1970-2000
 - 26.3 2001-
- Elementary textbooks
 - 28 General
 - 28.2 Physical geology
 - 28.3 Historical geology
- 29 Juvenile works
- 31 Popular works
- 33 Special aspects of the subject as a whole
- 33.2.A-Z Special topics, A-Z
 - 33.2.A3 Aerial photography in geology
 - 33.2.A7 Artificial satellites in geology
 - 33.2.B6 Borings
 - 33.2.C48 Chaotic behavior in systems
 - 33.2.C5 Charts, diagrams, etc.
 - Computer simulation see QE48.8
 - Data processing see QE48.8
 - 33.2.F73 Fractals
 - 33.2.M3 Mathematical geology

- Special topics, A-Z -- Continued
- 33.2.P47 Periodicity
- 33.2.P7 Practical geology
- 33.2.R33 Radar in earth sciences
- 33.2.R4 Remote sensing
- 33.2.S6 Spectrum analysis in geology
- 33.2.S82 Statistical methods
- 33.2.S9 Subsurface geology
- 33.2.T45 Thermal analysis
- 33.2.T7 Translating services. Translating
- 33.2.W38 Wavelets
- 34 Geology as a profession. Vocational guidance
- 35 Addresses, essays, lectures
- 36 Geological maps
 Class here works on making, interpretation, and
 use of geological maps
 For the maps themselves see G3200+
- Special fields
- 37 Agricultural geology
- Engineering geology see TA703+
- 38 Environmental geology
- Military geology see UG465+
- 39 Submarine geology
 For submarine geology of a particular body of
 water, see QE350.2+
 Cf. GC83+ Submarine topography
 Cf. QE511.7 Sea-floor spreading
- 39.5.A-Z Other, A-Z
- 39.5.P25 Paleobiology see QE719.8
- Paleoceanography
- Paleoclimatology see QC884+
- Paleoecology see QE720+
- Paleogeography see QE501.4.P3
- 39.5.P27 Paleohydrology
- 39.5.P3 Paleolimnology
- Paleomagnetism see QE501.4.P35
- Paleopedology see QE473
- Paleoseismology see QE539.2.P34
- 39.5.U7 Urban geology
 For urban geology of a particular place see
 QE65+
- Study and teaching. Research
- 40 General works
- 41 Outlines, syllabi
- 42 Problems, exercises, examinations
- 43 Models, diagrams, etc.
- 44 Laboratory manuals

- Study and teaching. Research -- Continued
- 45 Fieldwork
By region or country
United States
- 47.A1 General works
- 47.A2-Z By region or state, A-Z
Subarrange each state by Table Q7
- 48.A-Z Other regions or countries, A-Z
Subarrange each country by Table Q7
- 48.6 Awards
- 48.8 Data processing
Including computer simulation
- Communication in geology
- 48.85 General works
- 48.86 Information services
- 48.87 Computer network resources
Including the Internet
- Laboratories
- 49.A1 General works
- 49.A3-Z By region or country, A-Z
Subarrange each country by Table Q6
- 49.5 Instruments and apparatus
- 50 Collection and preservation
- Museums. Exhibitions
- 51.A1 General works
- 51.A2-Z By region or country, A-Z
Subarrange each country by Table Q5
- 52 Handbooks, tables, formulas, etc.
- 53 Miscellany and curiosa
- 55 Dealers' catalogs of specimens
- 61 Surveys (History, organization, etc.)
- Geographical divisions
- 65 Miscellaneous regions
e.g. British empire
- 70 Arctic regions. Greenland
- America
- 70.5 General works
North America
- 71 General works
United States
- 72 Surveys (General)
- 73 Surveys, before 1861
- 74 Surveys, 1865-1879
United States Geological Survey
General publications of the USGS
- 75 General publications of the USGS
- 76 Works about the USGS
- 77 General works

Geographical divisions

America

North America

United States -- Continued

Special regions

- 78 Lake region and Saint Lawrence
- 78.3 North. Northeast. East. Appalachian
Mountains
- 78.5 South. Southeast
- 78.7 Central. Mississippi Valley
- 79 Western states. Rocky Mountains
- 79.5 Southwest

By state

Class counties, physiographic regions,
etc. in the local number

Alabama

- 81 General works
- 82.A-Z Local, A-Z

Alaska

- 83 General works
- 84.A-Z Local, A-Z

Arizona

- 85 General works
- 86.A-Z Local, A-Z

Arkansas

- 87 General works
- 88.A-Z Local, A-Z

California

- 89 General works
- 90.A-Z Local, A-Z

Colorado

- 91 General works
- 92.A-Z Local, A-Z

Connecticut

- 93 General works
- 94.A-Z Local, A-Z

Delaware

- 95 General works
- 96.A-Z Local, A-Z

97

District of Columbia

Florida

- 99 General works
- 100.A-Z Local, A-Z

Georgia

- 101 General works
- 102.A-Z Local, A-Z

Hawaii see QE349.H3

- Geographical divisions
 - America
 - North America
 - United States
 - By state -- Continued
 - Idaho
 - 103 General works
 - 104.A-Z Local, A-Z
 - Illinois
 - 105 General works
 - 106.A-Z Local, A-Z
 - Indiana
 - 109 General works
 - 110.A-Z Local, A-Z
 - Iowa
 - 111 General works
 - 112.A-Z Local, A-Z
 - Kansas
 - 113 General works
 - 114.A-Z Local, A-Z
 - Kentucky
 - 115 General works
 - 116.A-Z Local, A-Z
 - Louisiana
 - 117 General works
 - 118.A-Z Local, A-Z
 - Maine
 - 119 General works
 - 120.A-Z Local, A-Z
 - Maryland
 - 121 General works
 - 122.A-Z Local, A-Z
 - Massachusetts
 - 123 General works
 - 124.A-Z Local, A-Z
 - Michigan
 - 125 General works
 - 126.A-Z Local, A-Z
 - Minnesota
 - 127 General works
 - 128.A-Z Local, A-Z
 - Mississippi
 - 129 General works
 - 130.A-Z Local, A-Z
 - Missouri
 - 131 General works
 - 132.A-Z Local, A-Z

Geographical divisions

America

North America

United States

By state -- Continued

Montana

133 General works

134.A-Z Local, A-Z

Nebraska

135 General works

136.A-Z Local, A-Z

Nevada

137 General works

138.A-Z Local, A-Z

New Hampshire

139 General works

140.A-Z Local, A-Z

New Jersey

141 General works

142.A-Z Local, A-Z

New Mexico

143 General works

144.A-Z Local, A-Z

New York

145 General works

146.A-Z Local, A-Z

North Carolina

147 General works

148.A-Z Local, A-Z

North Dakota

149 General works

150.A-Z Local, A-Z

Ohio

151 General works

152.A-Z Local, A-Z

Oklahoma

153 General works

154.A-Z Local, A-Z

Oregon

155 General works

156.A-Z Local, A-Z

Pennsylvania

157 General works

158.A-Z Local, A-Z

Rhode Island

159 General works

160.A-Z Local, A-Z

Geographical divisions

America

North America

United States

By state -- Continued

South Carolina

161 General works

162.A-Z Local, A-Z

South Dakota

163 General works

164.A-Z Local, A-Z

Tennessee

165 General works

166.A-Z Local, A-Z

Texas

167 General works

168.A-Z Local, A-Z

Utah

169 General works

170.A-Z Local, A-Z

Vermont

171 General works

172.A-Z Local, A-Z

Virginia

173 General works

174.A-Z Local, A-Z

Washington (State)

175 General works

176.A-Z Local, A-Z

West Virginia

177 General works

178.A-Z Local, A-Z

Wisconsin

179 General works

180.A-Z Local, A-Z

Wyoming

181 General works

182.A-Z Local, A-Z

Canada

185 General works

186 Alberta

187 British Columbia

188 Manitoba

189 New Brunswick

190 Nova Scotia

191 Ontario

192 Prince Edward Island

Geographical divisions

America

North America

Canada -- Continued

- 193 Québec (Province)
- 194 Saskatchewan
- 195 Yukon Territory and Mackenzie District
- 196.A-Z Other northern territories, A-Z
- 196.B3 Baffin Island
- 196.F7 Franklin
- 196.H8 Hudson Bay
- 196.K4 Keewatin
- Labrador see QE199
- 196.N7 Northwest Territories
- Ungava see QE193
- 199 Newfoundland. Labrador

Latin America

- 200 General works
- Mexico
- 201 General works
- 203.A-Z Local, A-Z

Central America

- 210 General works
- 211 Belize
- 212 Costa Rica
- 213 Guatemala
- 214 Honduras
- 215 Nicaragua
- 216 Panama
- 217 El Salvador

West Indies. Caribbean Area

- 220 General works
- 221 Bahamas
- 222 Cuba
- 223 Haiti
- 224 Jamaica
- 225 Puerto Rico
- 226.A-Z Other islands, A-Z

229

Bermuda

South America

- 230 General works
- 231 Argentina
- 233 Bolivia
- 235 Brazil
- 237 Chile
- 239 Colombia
- 241 Ecuador

Geographical divisions

America

Latin America

South America -- Continued

Guianas

- 243 General works
- 243.2 Guyana (British Guiana)
- 243.3 Suriname (Dutch Guiana)
- 243.4 French Guiana
- 245 Paraguay
- 247 Peru
- 249 Uruguay
- 251 Venezuela

South Atlantic islands

- 256 General works
- 257 Falkland Islands
- 258.A-Z Other South Atlantic islands, A-Z
 - e.g.
 - 258.S6 South Georgia Island

260

Europe

Great Britain

- 261 General works
- England and Wales
 - 262.A1 General works
 - 262.A3-Z Local, A-Z
 - e.g.
 - 262.A6 Anglesey
 - 262.B75 Broads, The
 - 262.D36 Dean, Forest of
 - 262.E3 England
 - 262.G5 Gloucestershire
 - 262.L2 Lake District
 - 262.M2 Man, Isle of
 - 262.P8 Purbeck, Isle of
 - 262.W2 Wales
 - 262.W6 Wight, Isle of

264

Scotland

265

Ireland

266

Austria

266.2

Hungary

267

Czechoslovakia

267.2

Liechtenstein

268

France

269

Germany

271

Greece

272

Italy

272.5

Malta

Geographical divisions

Europe -- Continued

- 273 Netherlands
- 274 Belgium
- 275 Luxembourg
- 276 Soviet Union. Russia (Federation)
Cf. QE315 Central Asia
- 276.3 Finland
- 276.5 Poland
- Baltic States
 - 276.7 General works
 - 276.72 Estonia
 - 276.74 Latvia
 - 276.76 Lithuania
- 277 Scandinavia
- 278 Denmark
- 278.5 Faroe Islands
- 279 Iceland
- 281 Norway
- 282 Sweden
- 283 Spain
- 284 Portugal. Azores
- 285 Switzerland. Alps
- Balkan States
 - 287 General works
 - 287.2 Albania
 - 287.4 Bulgaria
 - 287.6 Romania
 - 287.8 Yugoslavia
- 288.A-Z Other regions or countries of Europe, A-Z
- 288.A33 Aegean Islands (Greece and Turkey)
- 288.B35 Baltic Sea Region
- 288.B38 Belarus
- 288.K75 Krkonoše (Czech Republic and Poland)
- 288.M629 Moldova
- 288.P36 Pannonia Region
- 288.P97 Pyrenees
- 288.S55 Silesia, Upper
- Asia
 - 289 General works
 - 290 Afghanistan
 - Arabian Peninsula
 - 291.A1 General works
 - 291.A3-Z By region or country, A-Z
 - 291.A3 Aden
 - 291.K9 Kuwait
 - 291.M9 Muscat and Oman. Oman

Geographical divisions

Asia

Arabian Peninsula

By region or country, A-Z -- Continued

Oman see QE291.M9

Saudi Arabia

291.S28

294

China

294.3

Taiwan

294.5

Mongolia

295

India

295.2

Burma

295.3

Sri Lanka

295.4

Pakistan

295.5

Bangladesh

296

Indochina

298

Thailand

299

Malay Peninsula. Straits Settlements

299.5

Malaysia

Indonesia. Dutch East Indies

301.A1

General works

301.A3-Z

By region, island, etc., A-Z

e.g.

301.A5

Amboina

301.B7

Borneo

301.C4

Celebese

301.C45

Ceram

(301.D8)

Dutch East Indies

see QE301.A1

301.J4

Java

301.K3

Kabaena Island

301.M7

Moluccas

301.S9

Sumatra

301.S94

Sunda Islands

301.T5

Timor

302

Philippines

304

Japan

305

Korea

Including South Korea

305.2

North Korea

307

Iran

307.2

Iraq

315

Soviet Central Asia. Central Asia. Siberia

Cf. QE276 Russia (Federation)

316

Turkey

317

Armenia

318

Israel. Palestine

318.2

Jordan

Geographical divisions

Asia -- Continued

- 318.3 Lebanon
- 318.4 Syria
- 319.A-Z Other regions or countries, A-Z
- 319.C9 Cyprus
- 319.G35 Gangetic Plain
- 319.H5 Himalaya Mountains
- 319.N4 Near East. Middle East
- 319.O54 Oman Mountains (Oman and United Arab Emirates)
- 319.S67 Southeastern Asia
- 319.5 Arab countries (General)

Africa

- 320 General works
- 321 Ethiopia
- Former British possessions
- 325 South Africa
- 325.5 Central Africa (General)
- 326 East Africa (General)
- 327.A-Z Other, A-Z
- 327.B3 Basutoland. Lesotho.
- 327.B4 Bechuanaland. Botswana
- Cameroon see QE339.C35
- 327.G6 Ghana. Gold Coast
- 327.K4 Kenya
- Lesotho see QE327.B3
- Malawi see QE327.N8
- 327.N5 Nigeria
- 327.N8 Nyasaland. Malawi
- 327.R55 Northern Rhodesia. Zambia
- 327.R6 Rhodesia, Southern. Zimbabwe
- 327.S2 Saint Helena
- 327.S5 Sierra Leone
- 327.S6 Sokotra (Yemen)
- 327.S77 Sudan
- 327.S8 Swaziland
- 327.T3 Tanzania. Tanganyika
- 327.U4 Uganda
- West Cameroon see QE339.C35
- Zambia see QE327.R55
- 327.Z3 Zanzibar
- Zimbabwe see QE327.R6
- 328 Egypt
- Former French possessions
- 329 Algeria
- 329.2 Tunisia
- 330 Madagascar

Geographical divisions

Africa

Former French possessions -- Continued

Other, A-Z

- 331.A-Z
331.B45
331.C53
331.D5
331.F65
331.F7
331.G3
331.G8
331.I9
331.M27
331.M3
331.N5
331.U2
331.U64
332
334
335
335.5
337
337.3
337.5
337.7
338
339.A-Z
339.B85
339.C35
339.L5
339.M8
339.N34
339.N66
339.N67
339.R85
339.S2
339.S6
339.S68
- Benin
Burkina Faso see QE331.U64
Cameroun see QE339.C35
Central African Republic see QE331.U2
Chad
Côte d'Ivoire see QE331.I9
Dahomey see QE331.B45
Djibouti
French Equatorial Africa
French Somaliland see QE331.D5
French West Africa
Gabon
Guinea
Ivory Coast. Côte d'Ivoire
Mali
Mauritania
Morocco see QE339.M8
Niger
Ubangi-Shari. Central African Republic
Upper Volta. Burkina Faso
- Former German possessions
Cf. QE339.C35 Kamerun
- Former Italian possessions. Libya
Congo (Democratic Republic). Zaire
Congo (Brazzaville)
- Former Portuguese possessions
General works
Mozambique
Angola
Guinea-Bissau
- Spanish possessions
- Other regions or countries, A-Z
Burundi
Cameroon
Liberia
Morocco
Namibia
Northeast Africa
Northwest Africa
Rwanda
Sahara
Somalia
Southern Africa

Geographical divisions

Africa

Other regions or countries, A-Z -- Continued

339.S8

Sub-Saharan Africa

339.W46

West Africa

Indian Ocean islands

339.5

General works

339.6.A-Z

By region, island, etc., A-Z

339.6.M35

Maldives

339.6.R48

Réunion

339.6.S48

Seychelles

Australasia

339.8

General works

Australia

340

General works

341

New South Wales

(342)

New Zealand

see QE348.2

343

North Australia. Northern Territory

344

Queensland

345

South Australia

346

Tasmania

347

Victoria

348

Western Australia

348.2

New Zealand

348.4

Papua New Guinea

349.A-Z

Pacific islands, A-Z

e.g.

349.F5

Fiji

349.H3

Hawaii

349.M35

Marshall Islands

349.N43

New Hebrides. Vanuatu

349.O4

Oceania

349.S64

Solomon Islands

349.T66

Tonga

350

Antarctica

Atlantic Ocean

350.2

General works

350.22.A-Z

Local major divisions, A-Z

350.22.B34

Baltic Sea

350.22.B37

Barents Sea

350.22.B55

Black Sea

350.22.B65

Bothnian Sea

350.22.C37

Caribbean Sea

350.22.E52

English Channel

350.22.G53

Gibraltar, Straits of

350.22.G73

Greenland-Iceland Sea

Geographical divisions

Atlantic Ocean

Local major divisions, A-Z -- Continued

350.22.L33

Labrador Sea

350.22.M32

Maine, Gulf of

350.22.M42

Mediterranean Sea

350.22.M48

Mexico, Gulf of

350.22.M5

Mid-Atlantic Bight

350.22.M52

Mid-Atlantic Ridge

350.22.N65

North Atlantic Ocean

350.22.N67

North Sea

350.22.N68

Norwegian Sea

350.22.R48

Reykjanes Ridge

350.22.S68

South Atlantic Ocean

Straits of Gibraltar see QE350.22.G53

Pacific Ocean

350.4

General works

350.42.A-Z

Local major divisions, A-Z

350.42.A43

Alaska, Gulf of

350.42.B45

Bering Sea Region

350.42.C45

China Sea

350.42.E27

East China Sea

350.42.J34

Japan Sea

350.42.N65

North Pacific

350.42.O44

Okhotsk Sea

350.42.P45

Philippine Sea

350.42.S66

South China Sea

350.42.S68

South Pacific Ocean

350.42.T37

Tasman Sea

Indian Ocean

350.5

General works

350.52.A-Z

Local major divisions, A-Z

350.52.A73

Arabian Sea

350.52.R43

Red Sea

Arctic Ocean

350.6

General works

350.62.A-Z

Local major divisions, A-Z

350.62.C45

Chukchi Sea

Mineralogy

For crystallography see QD901+

Cf. QB455.2 Astromineralogy

351

Periodicals, societies, congresses, serial publications

353

Collected works (nonserial)

355

Dictionaries and encyclopedias

357

Nomenclature, terminology, notation, abbreviations

Mineralogy -- Continued

- History
 - 359.A1 General works
 - 359.A2-Z By region or country, A-Z
- Biography
 - 361.A2 Collective
 - 361.A3-Z Individual, A-Z
 - e.g.
 - 361.C5 Clarke
 - Dana, James Dwight see QE22.D25
 - 361.H2 Haidinger
- 361.2 Directories
- 362 Early works through 1800
- General works, treatises, and textbooks
 - 363 1801-1969
 - 363.2 1970-
 - 363.8 Pictorial works and atlases
 - 364 Special aspects of the subject as a whole
 - 364.2.A-Z Special topics, A-Z
 - 364.2.E4 Electronic data processing
 - 364.2.F47 Fluid inclusions
 - 364.2.F5 Fluorescent minerals
 - 364.2.H4 Heavy minerals
 - 364.2.H54 High pressure
 - 364.2.M37 Metallogeny
 - 364.2.M4 Metasomatism
 - 364.2.P3 Paragenesis
 - 364.2.R3 Radioactive minerals
 - 364.2.S7 Rock-forming minerals see QE397
 - 364.2.S87 Statistical methods
 - 364.2.T45 Surfaces
 - 364.2.T45 Thermodynamics
- 365 Popular works
- 365.2 Juvenile works
- 366 Study and teaching. Research
 - Mineralogical laboratories
 - 366.15 General works
 - 366.16.A-Z By region or country, A-Z
 - Subarrange each country by Table Q6
 - 366.2 Collection and preservation
 - For mineral collecting in specific geographic regions see QE373+
 - 366.8 Handbooks, tables, formulas, etc.
 - Determinative mineralogy
 - For assaying see TN550+
 - Cf. QD87 Blowpipe analysis
 - General works, treatises, and textbooks

Mineralogy

Determinative mineralogy

General works, treatises, and textbooks --

Continued

- 367 1801-1969
- 367.2 1970-
- 368.9 Special aspects of the subject as a whole
- 369.A-Z Special topics, A-Z
- 369.C6 Colloidal determinations
- 369.D5 Differential thermal analysis
- 369.F4 Fedorovskii method
- 369.I55 Immersion method
- 369.M5 Microscopic determinations
- 369.O6 Optical determinations
- 369.P49 Physical properties
- 369.S6 Specific gravity determinations
- 369.S65 Spectrum analysis
- 369.U4 Ultraviolet
- 369.X2 X-ray powder

371

Mineralogical chemistry

Descriptive mineralogy

General works, treatises, and textbooks

- 372 1801-1969
- 372.2 1970-
- Geographical divisions
- North America
- 373 General works
- United States
- 375 General works
- 375.5.A-Z By region or state, A-Z
- Canada
- 376 General works
- 376.5.A-Z By region, province, or territory, A-Z
- Mexico
- 377 General works
- 377.5.A-Z By region or state, A-Z
- Central America
- 377.7.A1 General works
- 377.7.A3-Z By region, country, or island, A-Z
- Offshore islands generally class with adjacent mainland
- West Indies. Caribbean Area
- 378.A1 General works
- 378.A3-Z By region, country, or island, A-Z
- Offshore islands generally class with adjacent mainland
- South America

QE

Mineralogy

Descriptive mineralogy

Geographical divisions

South America -- Continued

379.A1

General works

379.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Europe

381.A1

General works

381.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Asia

382.A1

General works

382.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Africa

383.A1

General works

383.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Australia

384

General works

384.2.A-Z

By region, state, or territory, A-Z

New Zealand

384.5

General works

384.7.A-Z

By region or statistical area, A-Z

Pacific islands

385.A1

General works

385.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Arctic regions

385.5.A1

General works

385.5.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Antarctica

385.6.A1

General works

385.6.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Museums. Exhibitions

386.A1

General works

Mineralogy

Descriptive mineralogy

Museums. Exhibitions -- Continued

386.A2-Z

By region or country, A-Z

Subarrange each country by Table Q5

387

Dealers' catalogs of specimens

388

Classification

Special groups of minerals

Descriptive and determinative

389

General works

389.1

Native elements

389.2

Sulphides, selenides, tellurides, arsenides,
antimonides

389.3

Sulpho salts (Sulpharsenites, sulphantimonites,
sulphobismuthites)

389.4

Halides (Chlorides, bromides, iodides,
fluorides)

389.5

Oxides

Oxygen salts

389.6

General works

389.61

Carbonates

Silicates, titanates

389.62

General works

389.625

Clay minerals

389.63

Niobates, tantalates

389.64

Phosphates, arsenates, vanadates,
antimonates, nitrates

389.65

Borates, uranates

389.66

Sulphates, chromates, tellurates

389.67

Tungstates, molybdates

389.7

Salts of organic acids: oxalates, mellates,
etc.

Hydrocarbon compounds

389.8

General works

Coal see TN805+

Petroleum see TN870.5+

Ore minerals (General)

390

General works

390.2.A-Z

Special ore minerals, A-Z

390.2.A58

Antimony ores

390.2.B46

Beryllium ores

390.2.B67

Boron ores

390.2.C58

Cobalt ores

390.2.C6

Copper ores

390.2.G65

Gold ores

390.2.I76

Iron ores

390.2.L43

Lead ores

Mineralogy

Special groups of minerals

Ore minerals (General)

Special ore minerals, A-Z -- Continued

390.2.L57	Lithium ores
390.2.M35	Manganese ores
390.2.M47	Mercury ores
390.2.N53	Nickel ores
390.2.P56	Platinum ores
390.2.R37	Rare earth ores
390.2.S55	Silver ores
390.2.T42	Tellurium ores
390.2.T45	Thorium ores
390.2.T48	Tin ores
390.2.T5	Titanium ores
390.2.T85	Tungsten ores
390.2.U7	Uranium ores
390.2.V36	Vanadium ores
390.2.Z54	Zinc ores
390.5	Hydrothermal deposits. Hydrothermal alteration
391.A-Z	Description of special minerals, A-Z
391.A18	Acmite
391.A2	Actinolite
	Agate see QE391.Q2
391.A4	Allanite
391.A45	Alunite
391.A48	Amazonite
391.A5	Amber
391.A53	Amphiboles
391.A55	Analcime
391.A57	Andesine
391.A572	Andorite
391.A573	Anhydrite
391.A6	Apatite
391.A8	Augite
391.B2	Babingtonite
391.B35	Barite
391.B5	Benitoite
391.B55	Bentonite
391.B6	Beryl
391.B64	Biotite
391.B7	Bøggildite
391.B73	Boehmite
391.B75	Botryogen
391.B78	Brannerite
391.B82	Brucite
391.C2	Calcite

Mineralogy

Description of special minerals, A-Z -- Continued

391.C25	Cassiterite
391.C3	Celadonite
391.C32	Celestite
391.C35	Chalcocite
391.C38	Chalybite
391.C392	Chamosite
391.C5	Chlorite
391.C6	Chondrodite
391.C65	Chromite
391.C657	Chrysoberyl
391.C67	Chrysotile
391.C8	Colemanite
391.C84	Cookeite
391.C9	Corundum
391.C94	Cuprodescloizite
391.D3	Datolite
391.D6	Dolomite
391.D8	Durangite
391.E43	Electrum
391.E5	Endlichite
391.E6	Enstatite
391.E8	Epidote
391.E9	Evansite
391.F3	Feldspar
391.F4	Ferberite
391.F45	Ferrierite
	Flint see QE471.15.F47
391.F6	Fluorspar
391.G3	Galena
391.G37	Garnet
391.G5	Glaucosite
391.G55	Gmelinite
391.G6	Gold
391.G8	Gunnbjarnite
391.G93	Gypsum
391.H34	Hedenbergite
391.H38	Helvite
391.H4	Hematite
391.H5	Hercynite
391.H55	Heulandite
391.H8	Hortonolite
391.H84	Huebnerite
	Iceland spar see QE391.C2
	Idocrase see QE391.V55
391.I4	Ilimaussite

Mineralogy

Description of special minerals, A-Z -- Continued

391.I44	Ilmenite
391.I53	Indianite
391.I7	Iron
	Jade see QE394.J3
391.J25	Jarosite
	Jasper see QE391.Q2
391.K2	Kaolinite
391.L28	Lawsonite
391.L3	Lazurite
391.L4	Leucite
	Leucoxene see QE396
391.L5	Liebigite
391.L8	Ludwigite
391.M2	Magnesite
391.M22	Magnetite
391.M25	Malachite
391.M3	Marcasite
391.M34	Meerschaum
391.M4	Melanosiderite
391.M45	Merumite
391.M6	Mica
391.M67	Moissanite
391.M7	Molybdenite
391.M75	Monazite
391.M8	Mordenite
391.M85	Muscovite
391.N27	Natrolite
391.N3	Naujakasite
	Nephrite see QE391.A2
391.O45	Olvine
	Opal see QE394.O7
	Palacheite see QE391.B75
391.P34	Palygorskite
391.P44	Pecoraite
391.P47	Perovskite
391.P48	Petalite
391.P5	Pickeringite
391.P55	Plagioclase
391.P56	Pollucite
391.P8	Pyrophyllite
391.P84	Pyroxene
391.P86	Pyroxmangite
391.P9	Pyrrhotite
391.Q2	Quartz
	Ramirite see QE391.C94

Mineralogy

Description of special minerals, A-Z -- Continued

- 391.R5 Riebeckite
 391.R7 Roscoelite
 391.R88 Rutile
 391.S25 Sapphirine
 391.S28 Scapolite
 391.S3 Scheelite
 Schungite see QE475.S39
 Sepiolite see QE391.M34
 391.S47 Serpentine
 391.S49 Siderite
 391.S5 Sillimanite
 391.S6 Smectite
 391.S65 Sphalerite
 391.S67 Sphene
 391.S68 Spinel
 391.S7 Spodumene
 391.S73 Stannite
 391.S75 Staurolite
 391.S77 Stenonite
 391.S8 Stichtite
 391.T2 Talc
 391.T3 Tephroite
 391.T4 Tetradymite
 391.T6 Topaz
 391.T7 Tourmaline
 391.T8 Trona
 391.T85 Tugtupite
 391.U65 Uraninite
 Uranothallite see QE391.L5
 391.V35 Vanadinite
 391.V5 Vermiculite
 391.V55 Vesuvianite
 391.V6 Villiaumite
 391.V64 Vivianite
 391.W3 Wagnerite
 391.W6 Wolframite
 391.W66 Wollastonite
 391.Z5 Zeolites
 391.Z7 Zircon
 391.Z8 Zoisite

Precious stones

- Cf. NK7650+ Art industries
 Cf. TN980+ Mining
 Cf. TS747+ Jewelry manufacture

392

General works, treatises, and textbooks

QE

Mineralogy

Precious stones -- Continued

- 392.2 Juvenile works
- 392.5.A-Z By region or country, A-Z
- 393 Diamonds
- 394.A-Z Other precious stones, A-Z
 - 394.A4 Amethysts
 - 394.E5 Emeralds
 - 394.J3 Jade
 - 394.J46 Jet
 - 394.O7 Opals
 - 394.R8 Rubies
 - 394.S3 Sapphires
 - 394.T8 Turquoise
- 396 Leucoxene
- 397 Rock-forming minerals
- Meteorites see QB754.8+
- 399 Tektites
 - For fluorescent minerals see QE364.2.F5
- 399.2 Miscellany and curiosa

Petrology

- Cf. TN950+ Building stones
- 420 Periodicals, societies, congresses, serial publications
- 421 Collected works (nonserial)
- 423 Dictionaries and encyclopedias
- 425 Nomenclature, terminology, notation, abbreviations
- 425.4 Classification
- History
 - 427.A1 General works
 - 427.A2-Z By region or country, A-Z
- 430 Early works through 1800
- General works, treatises, and textbooks
 - 431 1801-1969
 - 431.2 1970-
 - 431.5 Special aspects of the subject as a whole
- Special topics, A-Z
 - 431.6.A-Z Acoustic properties
 - 431.6.A25 Electric properties
 - 431.6.E4 Magnetic properties
 - 431.6.M3 Mechanical properties
 - 431.6.M4 Ores
 - 431.6.O7 Petrogenesis
 - 431.6.P4 Physical properties
 - 431.6.P5 Porosity
 - 431.6.P6 Thermal properties
 - 431.6.T45

- Petrology
- Special topics, A-Z -- Continued
 - 431.6.W38 Water-rock interaction
 - 432 Popular works
 - 432.2 Juvenile works
 - 432.5 Addresses, essays, lectures
 - Study and teaching. Research
 - 432.7 General works
 - 433 Laboratory manuals
 - 433.5 Instruments and apparatus
 - 433.6 Collection and preservation
 - For rock collecting in specific geographic regions see QE443+
 - 433.7 Data processing
 - 433.8 Handbooks, tables, formulas, etc.
 - 434 Microscopic analysis of rocks. Thin sections
 - 435 X-ray petrology
 - 438 Chemical analysis of rocks
 - 440 Petrofabric analysis
 - Including petrofabric diagrams
 - Museums. Exhibitions
 - 442.A1 General works
 - 442.A2-Z By region or country, A-Z
 - Subarrange each country by Table Q5
 - Geographical divisions
 - North America
 - 443 General works
 - United States
 - 444 General works
 - 445.A-Z By region or state, A-Z
 - Canada
 - 445.5 General works
 - 446.A-Z By region or province, A-Z
 - Mexico
 - 446.5 General works
 - 446.6.A-Z By region or state, A-Z
 - Central America
 - 447.A1 General works
 - 447.A3-Z By region, country, or island, A-Z
 - Offshore islands generally class with adjacent mainland
 - West Indies. Caribbean Area
 - 448.A1 General works
 - 448.A3-Z By region, country, or island, A-Z
 - Offshore islands generally class with adjacent mainland
 - South America

Petrology

Geographical divisions

South America -- Continued

449.A1

General works

449.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Europe

451.A1

General works

451.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Asia

452.A1

General works

452.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Africa

453.A1

General works

453.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Indian Ocean islands

453.2

General works

453.3.A-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Australia

453.5

General works

454.A-Z

By region, state, or territory, A-Z

New Zealand

454.5

General works

454.6.A-Z

By region or statistical area, A-Z

Pacific islands

455.A1

General works

455.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Arctic regions

456.A1

General works

456.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Antarctica

456.5.A1

General works

Petrology

Geographical divisions

Antarctica -- Continued

456.5.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Igneous rocks, volcanic ash, tuff, etc.

461

General works

462.A-Z

Special, A-Z

462.A37

Albitite

462.A4

Alkalic igneous rocks

462.A5

Andesite

462.A55

Anorthosite

462.A63

Aplite

462.B3

Basalt

462.B65

Boninite

462.C36

Carbonatites

462.C5

Charnockite

462.D5

Diabase

462.D56

Diorite

462.F4

Fenite

462.G3

Gabbro

462.G7

Granite

462.G75

Granodiorite

462.G77

Greenstone

462.H67

Hornblendite

462.I35

Ignimbrite

462.K44

Keratophyre

462.K5

Kimberlite

462.K66

Komatiite

462.L35

Lamproite

462.L37

Latite

462.L48

Leucitite

462.M6

Monzonite

462.N4

Nepheline syenite

462.O28

Obsidian

462.O43

Olivinite

462.O6

Ophiolites

462.O73

Orangeite

462.P4

Pegmatites

462.P43

Pegmatoids

462.P45

Peridotite

462.P6

Porphyry

462.P7

Propylite

462.R4

Rhyolite

Serpentinite see QE475.S47

462.S65

Spilites

QE

Petrology

Igneous rocks, volcanic ash, tuff, etc.

Special, A-Z -- Continued

462.S95

Syenite

462.T74

Trondhjemite

462.U4

Ultrabasic rocks

462.V64

Volcanite

Sedimentary rocks. Sedimentology

For sedimentation see QE571+

471

General works

471.15.A-Z

Special, A-Z

471.15.A68

Arenites

471.15.A7

Arkose

471.15.B32

Bauxite

471.15.B34

Beachrock

471.15.B4

Bentonite

471.15.B7

Breccia

471.15.C27

Calcretes

471.15.C3

Carbonate rocks

471.15.C4

Chert

471.15.C58

Concretions

471.15.C6

Conglomerate

471.15.D6

Dolomite

471.15.E8

Evaporites

471.15.F47

Flint

471.15.F5

Flysch

471.15.G4

Geodes

471.15.L5

Limestone

471.15.M44

Melanges

471.15.M83

Mudstone

471.15.O5

Oolite

Phosphate rock see QE471.15.P48

471.15.P48

Phosphorite. Phosphate rock

471.15.S2

Salt

471.15.S25

Sandstone

471.15.S5

Shale

471.15.S54

Siltstone

471.15.T5

Tillite

471.15.T64

Tonsteins

471.15.T73

Travertine

471.15.T8

Turbidites

471.2

Sediments (Unconsolidated)

471.3

Clay

472

Sedimentary structures

473

Paleopedology

Metamorphic rocks. Metamorphism

475.A2

General works, treatises, and textbooks

Petrology

Metamorphic rocks. Metamorphism -- Continued

- 475.A3-Z Special, A-Z
- 475.A4 Amphibolite
- 475.E25 Eclogite
- 475.G55 Gneiss
- 475.G7 Granulite
- 475.J27 Jadeite
- 475.J3 Jasperoid
- 475.L57 Listwanite
- 475.M3 Marble
- 475.M45 Metabasite
- 475.M5 Migmatite
- 475.M95 Mylonite
- 475.P47 Phyllite
- 475.Q3 Quartzite
- 475.S3 Schist
- 475.S39 Schungite
- 475.S47 Serpentinite
- 475.S6 Soapstone
- 475.T43 Tectonite
- 495 Laterite
- 496 Saprolites
- 499 Miscellany and curiosa
- Dynamic and structural geology
 - Physical and tectonic
- 500 Periodicals, societies, congresses, serial publications
- 500.5 History
- 501 General works, treatises, and textbooks
 - Including physical history of the earth
- 501.2 Popular works
- 501.25 Juvenile works
- 501.3 Special aspects of the subject as a whole
- 501.4.A-Z Special topics, A-Z
 - Isotope geology see QE501.4.N9
 - Mathematics
 - Mohole project
 - Nuclear geology. Isotope geology
 - Paleogeography
 - Paleomagnetism
 - Paleoweathering see QE570
 - Polar wandering
 - Remote sensing
 - Upper mantle project
- 505 Addresses, essays, lectures
- 505.5 Study and teaching. Research

QE

Dynamic and structural geology -- Continued

- 506 Geological cosmogony
- 507 Deluge, etc.
- 508 Geological time. Age of the earth
Including age determination, radioactive dating
- Interior of the earth. Internal structure of the earth
- 509 General works
- 509.2 Core
- 509.3 Core-mantle boundary
- 509.4 Mantle
- 509.5 Temperature
- 511 Earth's crust. Isostasy
Cf. QB331 Gravity determinations
- 511.2 Island arcs
- Plate tectonics
- 511.4 General works
- 511.42 Neotectonics
- 511.44 Morphotectonics
- 511.46 Subduction zones
- 511.48 Suture zones
- 511.5 Continental drift
Including Gondwana, Pangaea
- 511.7 Sea-floor spreading
- 512 Epeirogeny
- 513 Salt tectonics
- Geochemistry
Cf. QH343.7+ Biogeochemistry
- 514 Periodicals, societies, congresses, serial publications
- Biography
- 514.6 Collective
- 514.62.A-Z Individual, A-Z
- 515 General works, treatises, and textbooks
- 515.5.A-Z Special topics, A-Z
- 515.5.D37 Data processing
- 515.5.G43 Geochemical modeling
- 515.5.G45 Geochemical self-organization
- 515.5.K55 Kinetics
- 515.5.R45 Remote sensing
- 515.5.T46 Thermodynamics
- 516.A-Z Special elements and groups of elements, A-Z
(Table Q1 modified)
- 516.A35 Alkali metals
- 516.H3 Halogens
- 516.M65 Metals

- Dynamic and structural geology
- Geochemistry
 - Special elements and groups of elements, A-Z --
 - Continued
 - 516.R15 Radioactive substances
 - 516.R2 Rare earth metals
 - 516.R23 Rare gases
 - 516.T85 Trace elements
 - 516.3 Analytical geochemistry
 - 516.4 Environmental geochemistry
 - Nuclear geochemistry see QE501.4.N9
 - 516.5 Organic geochemistry
- Dynamic geology
- 517 Periodicals, societies, congresses, serial publications
- 517.5 General works, treatises, and textbooks
- Volcanoes and earthquakes
- 521 General works, treatises, and textbooks
- 521.2 Popular works
- 521.3 Juvenile works
- Volcanoes. Volcanism
- 521.5 Periodicals, societies, congresses, serial publications
- 522 General works, treatises, and textbooks
- 523.A-Z Individual volcanoes, A-Z
 - e.g.
 - 523.P8 Popocatepetl
 - Western Hemisphere. America
 - Including Hawaii
 - 524 General works
 - 524.2.A-Z By region or country, A-Z
 - For individual volcanoes see QE523.A+
 - Eastern Hemisphere. Europe, Africa
 - 526 General works
 - 526.2.A-Z By region or country, A-Z
 - For individual volcanoes see QE523.A+
 - Eastern Hemisphere. Asia, Australasia
 - 527 General works
 - 527.2.A-Z By region or country, A-Z
 - For individual volcanoes see QE523.A+
 - 527.3 Pacific Area (General)
 - 527.4 Antarctica
 - 527.5 Prediction of volcanic activity
 - 527.55 Remote sensing
 - 527.56 Tephrochronology

- Dynamic and structural geology
 - Volcanoes and earthquakes
 - Volcanoes. Volcanism -- Continued
 - 527.6 Volcanic hazard analysis. Safety measures
 - For hazard analysis or safety measures in specific geographic regions see QE523+
 - 527.7 Volcanic plumes
 - 527.75 Volcanic gases and vapors
 - 528 Geysers, hot springs, etc.
 - 529 Miscellany and curiosa
 - Earthquakes. Seismology
 - Cf. TC181 Earthquakes and hydraulic structures
 - Cf. TC542.5 Earthquakes and dams
 - Cf. TF539 Damage to railroads
 - Cf. TH1095 Earthquakes and building
- 531 Periodicals, societies, congresses, serial publications
- 532.A-Z Observations. By name of issuing observatory, A-Z
 - Including serial collections issued by individual observatories
- 533 Early works through 1800
 - General works, treatises, and textbooks
 - 534 1801-1969
 - 534.2 1970-2000
 - 534.3 2001-
- Special
 - Western Hemisphere. America
 - 535 General works
 - 535.2.A-Z By region or country, A-Z
 - Eastern Hemisphere. Europe, Africa
 - 536 General works
 - 536.2.A-Z By region or country, A-Z
 - Eastern Hemisphere. Asia, Australasia
 - 537 General works
 - 537.2.A-Z By region or country, A-Z
 - Pacific Area (General)
 - 537.5
 - Antarctica
 - 538
- 538.5 Seismic waves. Elastic waves
- 538.8 Earthquake prediction
- 539 Special aspects of the subject as a whole
 - 539.2.A-Z Special topics, A-Z
 - 539.2.A4 Aftershocks
 - 539.2.D36 Data processing
 - Hazard analysis see QE539.2.S34
 - 539.2.I46 Induced seismicity

- Dynamic and structural geology
 Volcanoes and earthquakes
 Earthquakes. Seismology
 Special topics, A-Z -- Continued
- 539.2.I5 Intensity
 539.2.M37 Mathematics
 539.2.M5 Microseisms
 539.2.P34 Paleoseismology
 539.2.P4 Periodicity
 539.2.R45 Remote sensing
 539.2.S34 Safety measures. Hazard analysis
 For safety measures or hazard analysis in
 specific geographic regions, see QE535+
- 539.2.S37 Seismic event location
 539.2.S4 Seismic models
 539.2.S43 Seismic traveltime inversion
 539.2.S73 Statistical methods
- Observatories. Seismic networks
 General works
 540.A2
 540.A5-Z By region or country, A-Z
 Under each country:
 .x *General works*
 .x2A-.x2Z *Individual observatories.*
 By name, A-Z
- 541 Instruments. Seismometry
 Including tables, calculations,
 siesmograms, etc.
- (545) Volcanic gases and vapors
 see QE527.75
- Coral islands and reefs. Atolls
 Cf. GB461+ Geomorphology
- 565 General works
 566.A-Z Individual, A-Z
 e.g.
 566.F35 Fangataufa Atoll
 566.G7 Great Barrier Reef (Qld.)
 566.M87 Mururoa Atoll
- 570 Weathering
 Including paleoweathering
- Sedimentation
 Including erosion and deposition
 For sedimentary rocks and sedimentology see
 QE471+
- 571 General works
 573 Cryopedology

- Dynamic and structural geology
- Sedimentation -- Continued
 - Glacial erosion
 - Cf. GB581+ Glacial landforms
 - Cf. QE697+ Pleistocene
 - 575 Periodicals, societies, congresses, serial publications
 - 576 General works, treatises, and textbooks
 - 578 Moraines, eskers, kames
 - 579 Drift. Loess
 - 581 Aqueous erosion
 - Cf. S622+ Agriculture
 - 597 Aerial erosion
 - Earth movements. Mass movements
 - For descriptive works, disasters, etc., see DA+
 - 598 Periodicals, societies, congresses, serial publications
 - 598.2 General works, treatises, and textbooks
 - 598.3 Juvenile works
 - 598.5.A-Z By region or country, A-Z
 - Landslides. Rockslides
 - 599.A1 Periodicals, societies, congresses, serial publications
 - 599.A2 General works, treatises, and textbooks
 - 599.A5-Z By region or country, A-Z
 - 599.2 Landslide hazard analysis
 - For hazard analysis in specific geographic regions see QE599.A5+
 - Subsidences
 - 600 Periodicals, societies, congresses, serial publications
 - 600.2 General works, treatises, and textbooks
 - 600.3.A-Z By region or country, A-Z
 - Structural geology
 - 601 General works, treatises, and textbooks
 - 601.2 Special aspects of the subject as a whole
 - 601.3.A-Z Special topics, A-Z
 - 601.3.D37 Data processing
 - 601.3.S83 Stereographic projection
 - 601.8 Problems, exercises, examinations
 - 602 Stratification
 - 604 Deformation
 - 605 Joints and cleavages
 - Faults and folds
 - 606 General works, treatises, and textbooks
 - 606.5.A-Z By region or country, A-Z

- Dynamic and structural geology
 Structural geology -- Continued
 Geosynclines
 607 General works, treatises, and textbooks
 607.5.A-Z By region or country, A-Z
 (608) Metamorphism
 see QE475
 Veins, dikes, necks, bosses, laccoliths, and
 other intrusive bodies
 Cf. TN263 Ore deposits
 611 General works, treatises, and textbooks
 611.5.A-Z By region or country, A-Z
 Cryptoexplosion structures
 613 General works, treatises, and textbooks
 613.5.A-Z By region or country, A-Z
 Basins. Sedimentary basins
 615 General works, treatises, and textbooks
 615.5.A-Z By region or country, A-Z
 Mountain building. Orogeny
 621 General works
 621.5.A-Z By region or country, A-Z
 625 Effects of plants, animals, and man in geology
 Cf. QR103 Geomicrobiology
 Geographical divisions
 North America
 626 General works
 United States
 General works
 By region or state, A-Z
 Canada
 General works
 By region, province, or territory, A-Z
 Mexico
 General works
 By region or state, A-Z
 Central America
 630.A1 General works
 630.A3-Z By region, country, or island, A-Z
 Offshore islands generally class with
 adjacent mainland
 West Indies. Caribbean Area
 631.A1 General works
 631.A3-Z By region, country, or island, A-Z
 Offshore islands generally class with
 adjacent mainland
 South America
 632.A1 General works

Dynamic and structural geology

Geographical divisions

South America -- Continued

632.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Europe

633.A1

General works

633.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Asia

634.A1

General works

634.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Africa

635.A1

General works

635.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Australia

636

General works

636.5.A-Z

By region, state, or territory, A-Z

New Zealand

637

General works

637.5.A-Z

By region or statistical area, A-Z

Pacific islands

638.A1

General works

638.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Arctic regions

639.A1

General works

639.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Antarctica

639.5.A1

General works

639.5.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Stratigraphy

Prefer stratigraphic to geographical classification

For historical geology see QE28.3

Stratigraphy -- Continued

- 640 Periodicals, societies, congresses, serial publications
- 645 Nomenclature, terminology, notation, abbreviations
Class here general works as well as works on the nomenclature of particular regions, countries, etc.
- 651 General works, treatises, and textbooks
- 651.5 Cyclostratigraphy
- 652 Data processing
Stratigraphic correlation
- 652.5 General works
- 652.55.A-Z By region or country, A-Z
- Precambrian
- 653 General works
- 653.3 Archaean
- 653.5 Proterozoic
- Paleozoic
- 654 General works
(655) Algonkian. Huronian. Precambrian in general
see QE653
- 656 Cambrian
- 660 Ordovician
Silurian
- 661 General works
(662) Lower (Ordovician)
see QE660
(663) Upper (Silurian)
see QE661
- 665 Devonian
Carboniferous
- 671 General works
- 672 Mississippian
- 673 Pennsylvanian
Cf. TN799.9+ Coal
- 673.5 Permo-Carboniferous
- 674 Permian
- Mesozoic
- 675 General works
Triassic
- 676 General works
- 677 Lower
- 678 Middle
- 679 Upper
- Jurassic
- 681 General works

- Stratigraphy
 - Mesozoic
 - Jurassic -- Continued
 - 682 Lower
 - 683 Middle
 - 684 Upper
 - Cretaceous
 - 685 General works
 - 686 Lower
 - 687 Middle
 - 688 Upper
 - 689 Cretaceous-Tertiary boundary
 - Cenozoic
 - 690 General works
 - Tertiary
 - 691 General works
 - Paleogene
 - 691.5 General works
 - 692 Paleocene
 - 692.2 Eocene
 - 692.8 Eocene-Oligocene boundary
 - 693 Oligocene
 - Neogene
 - 693.5 General works
 - 694 Miocene
 - 695 Pliocene
 - 695.5 Pliocene-Pleistocene boundary
 - Quaternary
 - 696 General works
 - Pleistocene. Glacial epoch
 - 697 General works
 - 698 Cause of the glacial epoch
 - 699 Holocene, Recent
 - Geological climate see QE698
 - Paleoclimatology see QC884+
 - Paleontology
 - 701 Periodicals, societies, congresses, serial publications
 - 702 Collected works (nonserial)
 - 703 Dictionaries and encyclopedias
 - Communication of information
 - 704 General works
 - 704.2 Information services
 - 704.3 Computer network resources
 - Including the Internet
 - History
 - 705.A1 General works

- Paleontology
- History -- Continued
 - 705.A2-Z By region or country, A-Z
 - Biography
 - 707.A2 Collective
 - Including directories
 - 707.A3-Z Individual, A-Z
 - e.g.
 - 707.T4 Teilhard de Chardin, Pierre
 - 707.Z8 Zittel, K.A.
 - Early works
 - 709 Through 1790
 - 710 1791-1830
 - General works, treatises, and textbooks
 - Including stratigraphic paleontology
 - 711 1831-1969
 - 711.2 1970-2000
 - 711.3 2001-
 - 713 Comprehensive systematic works
 - Including both zoological and botanical works
 - 714 Pictorial works and atlases
 - 714.3 Popular works
 - 714.5 Juvenile works
 - 714.7 Paleontology as a profession. Vocational guidance
 - 715 Study and teaching
 - Museums. Exhibitions
 - Class catalogs of special subjects with the subject, e.g. British Museum catalog of fossil fishes in QE851
 - 716.A1 General works
 - 716.A2-Z By region or country, A-Z
 - Subarrange each country by Table Q5
 - 718 Collection and preservation
 - Class here general works on collection and preservation of fossils
 - For works on collection by stratigraphic division see QE724+
 - For works on collection by geographic division see QE743+
 - For works on collection and preservation of individual fossils see QE767
 - Micropaleontology
 - For fossil biomolecules see QP517.F66
 - 719 General works
 - 719.5 Prokaryotes. Bacteria

- Paleontology
 - Micropaleontology -- Continued
 - 719.6 Protista
 - Cf. QE771+ Protozoa
 - Cf. QE955 Algae
 - 719.8 Paleobiology
 - Cf. QE721.2.E85 Evolutionary paleobiology
 - Paleoecology
 - 720 General works
 - 720.2.A-Z By region or country, A-Z
 - 720.5 Ichnology. Trace fossils
 - 721 Special aspects of the subject as a whole
 - 721.2.A-Z Special topics, A-Z
 - 721.2.D37 Data processing
 - 721.2.E85 Evolutionary paleobiology
 - 721.2.E87 Evolutionary paleoecology
 - 721.2.E97 Extinction
 - 721.2.F6 Fossilization. Taphonomy
 - 721.2.M63 Models and modelmaking
 - 721.2.P24 Paleobiogeography
 - 721.2.P3 Paleotemperatures
 - 721.2.S7 Statistical methods
 - Taphonomy see QE721.2.F6
 - 721.2.V3 Variation
 - 723 Addresses, essays, lectures
 - Stratigraphic divisions (General and zoological)
 - Corresponding classes for stratigraphic geology in QE653+
 - Precambrian
 - 724 General works
 - 724.5 Proterozoic
 - Paleozoic
 - 725 General works
 - 726 Cambrian
 - 726.2 Ordovician
 - 727 Silurian
 - 728 Devonian
 - Carboniferous
 - 729 General works
 - 729.2 Mississippian
 - 729.3 Pennsylvanian
 - 730 Permian
 - Mesozoic
 - 731 General works
 - 732 Triassic
 - 733 Jurassic
 - 734 Cretaceous

Paleontology

Stratigraphic divisions (General and zoological)

-- Continued

Cenozoic

- 735 General works
- 736 Tertiary
General works
- 736.5 Paleogene
General works
- 736.8 Paleocene
- 737 Eocene
- 738 Oligocene
- Neogene
- 738.5 General works
- 739 Miocene
- 740 Pliocene

Quaternary

- 741 General works
- 741.2 Pleistocene
- 741.3 Holocene, Recent
- 742 Amber fauna and flora

Geographical divisions (General and zoological)

Prefer the stratigraphic divisions above to
geographical divisions

- 743 General works
- 743.5 Ocean bottom
- 744 Arctic regions
- North America
- 745 General works
United States
- 746 General works
- 747.A-Z By region or state, A-Z
- Canada
- 748.A1 General works
- 748.A3-Z By region or province, A-Z
Offshore islands generally class with
adjacent mainland
- Mexico
- 749.A1 General works
- 749.A3-Z By region or state, A-Z
Offshore islands generally class with
adjacent mainland
- West Indies and Bermuda
- 750.A1 General works
- 750.A3-Z By region, country, or island, A-Z
Offshore islands generally class with
adjacent mainland

Paleontology

Geographical divisions (General and zoological)

North America -- Continued

Central America

751.A1

General works

751.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

South America

752.A1

General works

752.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Europe

753

General works

754

Great Britain

755.A-Z

Other regions or countries, A-Z

Asia

756.A1

General works

756.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Africa

757.A1

General works

757.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Australia

758.A1

General works

758.A3-Z

By region, state, or territory, A-Z

Offshore islands generally class with adjacent mainland

758.5

New Zealand

759.A-Z

Pacific islands, A-Z

Arctic regions see QE744

760

Antarctica

Paleozoology

760.8

Periodicals, societies, congresses, serial publications

761

General works, treatises, and textbooks

763

Popular works

765

Juvenile works

766

Marine animals

767

Plankton

For stratigraphic divisions see QE724+

For geographical divisions see QE743+

Invertebrates

Paleozoology

Invertebrates -- Continued

- 770 General works, treatises, and textbooks
- Protozoa
- 771 General works, treatises, and textbooks
- 772 Foraminifera
- 773 Radiolaria
- 774.A-Z Other Protozoa, A-Z
(774.D5) Dinoflagellates
see QE955
- 774.F5 Flagellata. Mastigophora
- 774.P6 Polycystida
- 774.T5 Thecamoebae. Testacea
- 774.T55 Tintinnida
- 775 Porifera (Sponges)
- Cnidaria
- 777 General works, treatises, and textbooks
- 778 Anthozoa (Corals)
- 779 Hydrozoa. Stomatoporoidea
For Graptolithina see QE840.5
- 780 Scyphozoa
Including Scyphomedusae and Conulata
- 780.5 Ctenophora
- Echinodermata
- 781 General works, treatises, and textbooks
- 782 Crinozoa. Crinoidea
- 783.A-Z Other divisions, A-Z
- 783.A7 Asteroidea (True starfish)
- 783.B6 Blastoidea
- 783.C9 Cystoidea
- 783.D5 Diploporita
- 783.E2 Echinoidea
- 783.E3 Edrioasteroidea
- 783.H7 Holothurioidea
- 783.O6 Ophiuroidea
- 783.P3 Paracrinoidea
- 783.S8 Stelleroidea
- 783.S89 Stylophora
- 791 Worms and other vermiform invertebrates
- Brachiopoda
- 796 General works, treatises, and textbooks
- 797.A-Z Systematic divisions, A-Z
- 797.A65 Articulata
- 797.A69 Athyrididae
- 797.A7 Atrypidae
- 797.C95 Cyrtinidae
- 797.D3 Delthyrididae

Paleozoology

Invertebrates

Brachiopoda

Systematic divisions, A-Z -- Continued

- 797.D5 Dielasmataidae
 797.D6 Discinidae
 797.I5 Inarticulata
 797.K5 Kingenidae
 797.L7 Lingulidae
 797.O2 Obolidae
 797.O7 Orthida
 797.O75 Orthidae
 797.P3 Paterinidae
 797.P39 Pentamerida
 797.P4 Pentameridae
 797.P5 Playtstropiinae
 797.P9 Productidae
 797.R5 Rhynchonellida
 797.S4 Septirhynchiidae
 797.S7 Spiriferidae
 797.S8 Stringocephalidae
 797.S89 Strophomenida
 797.S9 Strophomenidae
 797.T29 Terebratulida
 (797.T3) Terebratulidae
 see QE797.T29
 797.T5 Thecidellinidae
 797.T8 Trimerellidae
 797.Z4 Zeilleriidae

Bryozoa. Polyzoa

- 798 General works, treatises, and textbooks
 799.A-Z Systematic divisions, A-Z
 799.C5 Cheilostomata
 799.C7 Cryptostomata
 799.C8 Ctenostomata
 799.C9 Cyclostomata
 799.E95 Expletocystida
 799.G95 Gymnolaemata
 799.M6 Monticuliporidae
 799.S74 Stenolaemata
 799.T7 Trepostomata

Mollusca

- 801 General works, treatises, and textbooks
 805 Monoplacophora. Amphineura. Aplacophora.
 Polyplacophora
 Cephalopoda
 806 General works, treatises, and textbooks

Paleozoology

Invertebrates

Mollusca

Cephalopoda -- Continued

- | | |
|---------|---------------------------|
| 807.A-Z | Systematic divisions, A-Z |
| 807.A25 | Actinoceratidae |
| 807.A5 | Ammonoidea |
| 807.B4 | Belemnitida |
| 807.C65 | Clymeniida |
| 807.C7 | Coleoidea |
| 807.D5 | Dibranchiata |
| | Ecdyceras see QE807.H4 |
| 807.E4 | Ellesmeroceratidae |
| 807.E5 | Endoceratoidea |
| 807.G56 | Goniatitidae |
| 807.H4 | Hebetoceratidae |
| 807.L3 | Lamellorthoceratidae |
| 807.L7 | Liparoceratidae |
| 807.L98 | Lytoceratidae |
| 807.N4 | Nautiloidea |
| 807.O8 | Orthoceratidae |
| 807.P69 | Placenticeratidae |
| 807.S3 | Salterellidae |
| 807.S4 | Sepiida |
| 807.W8 | Wutinoceratidae |

Gastropoda

General works, treatises, and textbooks

- | | |
|---------|---|
| 808 | General works, treatises, and textbooks |
| 809.A-Z | Systematic divisions, A-Z |
| 809.A18 | Actaeonellidae |
| 809.A2 | Actaeonidae |
| 809.A72 | Archaeogastropoda |
| 809.B8 | Buccinidae |
| 809.C4 | Ceratopeidae |
| 809.C48 | Columbellidae |
| 809.C52 | Conidae |
| 809.C9 | Cypraeidae |
| 809.E55 | Eotomariidae |
| 809.E64 | Epitoniidae |
| 809.E9 | Euomphalidae |
| 809.F3 | Fascioliariidae |
| 809.M25 | Macluritidae |
| 809.M4 | Mesogastropoda |
| 809.M8 | Murchisoniata |
| 809.M85 | Muricidae |
| 809.N3 | Nassariidae |
| 809.N32 | Naticidae |
| 809.N45 | Neritidae |

Paleozoology

Invertebrates

Mollusca

Gastropoda

Systematic divisions, A-Z -- Continued

- | | |
|-----------|---|
| 809.O44 | Olividae |
| 809.O6 | Opisthobranchia |
| 809.P5 | Platyceratidae |
| 809.P7 | Prosobranchia |
| 809.P8 | Pteropoda |
| 809.P9 | Pulmonata |
| 809.P95 | Pyramidellidae |
| 809.T5 | Thaididae |
| 809.T88 | Turridae |
| 809.T9 | Turritellidae |
| 809.V2 | Valencienniidae |
| 809.V3 | Vasidae |
| 809.V7 | Volutidae |
| 809.Z9 | Zonitidae |
| | Bivalvia. Lamellibranchia. Pelecypoda |
| 811 | General works, treatises, and textbooks |
| 812.A-Z | Systematic divisions, A-Z |
| 812.A8 | Arcidae |
| (812.A84) | Astartidae |
| | see QE812.V45 |
| 812.B83 | Buchiidae |
| 812.C3 | Cardiidae |
| 812.C35 | Carditidae |
| 812.C5 | Chondrodontidae |
| 812.C6 | Conocardiidae |
| | Cypricardiacea see QE812.T34 |
| 812.D5 | Diceratidae |
| 812.D7 | Dreissenidae |
| 812.G7 | Grammysiidae |
| 812.G78 | Gryphaeidae |
| 812.H34 | Halobiidae |
| 812.H57 | Hippuritidae |
| 812.H573 | Hippuritoida (Rudists) |
| 812.I5 | Inoceramidae |
| | Leptonacea see QE812.V45 |
| 812.M2 | Mactridae |
| 812.M48 | Megalodontacea |
| 812.M6 | Monotidae |
| 812.M9 | Myalinidae |
| 812.M94 | Mytilidae |
| 812.N6 | Noetiidae |
| 812.N8 | Nucloidae |

Paleozoology

Invertebrates

Mollusca

Bivalvia. Lamellibranchia. Pelecypoda

Systematic divisions, A-Z -- Continued

- 812.O8 Ostreidae
 812.O87 Ostreoida
 812.P38 Pectinacea
 812.P4 Pectinidae
 812.P48 Pholadidae
 812.P5 Pholadomyoida
 812.P65 Praeheterodonta
 812.P7 Pterinidae
 812.R33 Radiolitidae
 (812.R8) Rudista
 see QE812.H573
- 812.S6 Solemyidae
 812.T3 Tancrediidae
 812.T34 Teleodesmacea
 812.T37 Tellinidae
 812.T4 Teredinidae
 (812.T7) Trigoniidae
 see QE812.T74
- 812.T74 Trigonioida
 812.U6 Unionidae
 812.V4 Veneridae
 812.V45 Veneroida
- 813 Scaphopoda
 814 Rostroconchia
- Arthropoda
- 815 General works, treatises, and textbooks
 Crustacea. Mandibulata
- 816 General works, treatises, and textbooks
 Systematic divisions, A-Z
- 817.A6 Amphipoda
 817.A7 Arthrostraca
 817.B7 Branchiopoda
 817.C5 Cirripedia
 817.C6 Conchostraca
 817.C7 Copepoda
 817.D3 Decapoda
 817.E5 Entomostraca
 817.I8 Isopoda
 817.L5 Leptostraca
 817.M3 Malacostraca
 817.O8 Ostracoda
 Phyllopoda see QE817.B7

- Paleozoology
 - Invertebrates
 - Arthropoda
 - Crustacea. Mandibulata
 - Systematic divisions, A-Z -- Continued
 - 817.S3 Schizopoda
 - 817.S8 Stomatopoda
 - Protarthropoda. Trilobitomorpha
 - 821 General works, treatises, and textbooks
 - 823.A-Z Systematic divisions, A-Z
 - 823.A35 Agnostida
 - 823.C6 Corynexochida
 - 823.M3 Marrellidae
 - 823.P4 Pentastomida
 - 823.P5 Phacopida
 - 823.P76 Proëtidae
 - 823.P79 Ptychopariida
 - 823.R4 Redlichiida
 - 823.T2 Tardigrada
 - Chelicerata. Merostomata. Arachnida
 - 825 General works, treatises, and textbooks
 - 826.A-Z Systematic divisions, A-Z
 - 826.A2 Acarina (Acari)
 - 826.A6 Araneida (Araneae)
 - 826.C5 Chernetidae (Pseudoscorpiones)
 - 826.E8 Eurypterida
 - 826.O63 Opiliones
 - 826.P3 Pedipalpi
 - 826.P5 Phalangida
 - (826.P5) see QE826.O63
 - 826.S4 Scorpionida
 - 826.S6 Solifugae
 - 826.X5 Xiphosurida
 - Myriapoda
 - 828 General works, treatises, and textbooks
 - 829.A-Z Systematic divisions, A-Z
 - 829.C5 Chilopoda
 - 829.D5 Diplopoda
 - Hexapoda. Insects
 - 831 General works, treatises, and textbooks
 - 832.A-Z Systematic divisions, A-Z
 - 832.A53 Anisoptera (Dragonflies)
 - 832.A55 Anoplura
 - 832.B55 Blattaria (Cockroaches)
 - 832.C6 Coleoptera (Beetles)
 - 832.C63 Collembola (Springtails)
 - 832.D47 Dermaptera (Earwigs)

Paleozoology

Invertebrates

Arthropoda

Hexapoda. Insects

Systematic divisions, A-Z -- Continued

- 832.D6 Diptera (Flies, midges, mosquitoes)
- 832.E52 Embioptera
- 832.E65 Ephemeroptera (Mayflies)
- 832.H4 Hemiptera (True bugs)
- 832.H65 Homoptera
- 832.H9 Hymenoptera (Ants, bees, wasps)
- 832.I8 Isoptera (Termites)
- 832.L5 Lepidoptera (Butterflies and moths)
- 832.M34 Mallophaga (Biting lice)
- 832.M43 Mecoptera (Scorpionflies)
- 832.N5 Neuroptera
- 832.O36 Odonata
- 832.O7 Orthoptera
- 832.P45 Phasmatoptera (Stick insects)
- 832.P55 Plecoptera (Stoneflies)
- 832.P83 Psocoptera (Book lice)
- 832.S47 Siphonaptera (Fleas)
- 832.S87 Strepsiptera
- 832.T5 Thysanoptera (Thrips)
- 832.T8 Trichoptera (Caddisflies)

Chordata

Cephalochordata. Tunicata. Hemichordata.

Enteropneusta. Pterobranchia.

Graptolithina

Vertebrates

- 841 General works, treatises, and textbooks
- 842 Juvenile works
- 845 Fossil footprints
- 846 Fossil teeth
- 847 Amniotes
- Fishes
- 851 General works, treatises, and textbooks
- 851.2 Ichthyoliths
- 852.A-Z Systematic divisions, A-Z
- 852.A25 Acipenseriformes
- 852.A33 Agnatha
- 852.A4 Amiiformes
- 852.A5 Anaspida
- 852.A7 Arthrodira
- 852.B47 Beryciformes
- 852.C48 Chimaeriformes
- 852.C52 Chondrichthyes

Paleozoology

Chordata

Vertebrates

Fishes

Systematic divisions, A-Z -- Continued

- 852.C55 Clupeiformes
 852.C58 Coelacanthiformes
 852.C6 Coelolepida
 852.C7 Crossopterygii
 852.C95 Cypriniformes
 852.D5 Dipnoi
 852.D7 Drepanaspidae
 852.E55 Edestidae
 (852.E6) Elasmobranchii
 see QE852.C52
 852.E65 Elopiformes
 852.G26 Gadiformes
 Ganoidei see QE852.S4
 852.G65 Gonorhynchiformes
 852.H4 Heterostraci
 (852.H7) Holocephali
 see QE852.C48
 852.I35 Ichthyodectiformes
 852.L35 Lamniformes
 852.L45 Leptolepiformes
 852.O45 Osteichthyes
 852.O5 Osteostraci
 852.P3 Palaeonisciformes
 852.P4 Perciformes
 852.P45 Pholidophoriformes
 852.P5 Placodermi
 Plagiostomi see QE852.C52
 852.P8 Ptycholepiformes
 852.P9 Pycnodontiformes
 852.R4 Redfieldiiformes
 852.S2 Salmoniformes
 852.S4 Semionotiformes
 (852.T2) Teleostei
 see QE852.O45
 852.T48 Tetraodontiformes
 853 Fossil otoliths
- 861 Reptiles
 General works, treatises, and textbooks
 Dinosaurs
 Class here works on dinosaurs in general
 For works on specific orders of dinosaurs
 see QE862.A+

Paleozoology

Chordata

Vertebrates

Reptiles

Dinosaurs -- Continued

- 861.2 Periodicals, societies, congresses, serial publications
- 861.3 Dictionaries and congresses
- 861.35 Computer network resources
Including the Internet
- 861.4 General works
- 861.5 Juvenile works
- 861.6.A-Z Special topics, A-Z
- 861.6.B44 Behavior
- 861.6.E35 Eggs
- 861.6.E95 Extinction
- 861.6.F45 Flight
- 861.6.T72 Tracks
- By region or country
- United States
- 861.7 General works
- 861.8.A-Z By region or state, A-Z
Subarrange each state by Table Q4
- 861.9.A-Z Other regions or countries, A-Z
Subarrange each state by Table Q4
- 861.95 Miscellany and curiosa
- 862.A-Z Other systematic divisions, A-Z
- 862.C5 Chelonia. Testudinata
- 862.C7 Cotylosauria
- 862.C8 Crocodylia
- (862.D4) Dicynodontia
see QE862.T5
- (862.D5) Dinosaurs
see QE861.2+
- 862.E9 Eunotosauridae
- 862.I2 Ichthyosauria
- 862.L2 Lacertilia
- 862.N7 Nothosauria
- 862.O6 Ophidia. Serpentes
- 862.O65 Ornithischia
- Ornithosauria see QE862.P7
- 862.P3 Pelycosauria
- 862.P35 Phytosauria
- 862.P37 Placodontia
- 862.P4 Plesiosauria
- 862.P7 Pterosauria
- Pythonomorpha see QE862.L2

Paleozoology

Chordata

Vertebrates

Reptiles

Systematic divisions, A-Z -- Continued

862.R5

Rhynchocephalia

862.S3

Saurischia

862.S33

Sauropterygia

862.S65

Squamata

Cf. QE862.L2 Lacertilia

Cf. QE862.O6 Ophidia

(862.S8)

Synapsida

see QE861

862.T4

Thalattosauria

862.T47

Thecodontia

862.T5

Therapsida

Amphibians. Batrachia

867

General works, treatises, and textbooks

868.A-Z

Systematic divisions, A-Z

868.A46

Aistopoda

868.A48

Anthracosauria

868.A5

Anura

868.A6

Apoda

868.B7

Branchiosauridae

868.C2

Caudata

868.D5

Dissorophidae

Ecaudata see QE868.A5

868.I25

Ichthyostegalia

868.L3

Labyrinthodontia

868.M53

Microsauria

868.P4

Pelobatidae

868.P5

Pipidae

868.R5

Rhachitomi

Stegocephala see QE868.L3

Birds

871

General works, treatises, and textbooks

872.A-Z

Systematic divisions, A-Z

872.A15

Accipitres

872.A2

Aepyornithes

872.A3

Alcidae

872.A6

Anseres

872.A7

Apterygidae

872.A8

Archaeonithes (Sauriurae)

(872.A9)

Ardeiformes

see QE872.C53

872.C3

Casuariiformes

872.C53

Ciconiiformes

Paleozoology

Chordata

Vertebrates

Birds

Systematic divisions, A-Z -- Continued

- 872.C65 Cocyges see QE872.C9
 872.C7 Coliiformes
 872.C75 Columbidae
 872.C8 Colymbidae (Gaviidae)
 872.C8 Coraciiformes
 872.C9 Cuculiformes
 872.D5 Dinornithiformes
 872.E52 Enantiornithiformes
 872.G15 Galliformes (Galli)
 Gaviidae see QE872.C75
 Gressores see QE872.C53
 872.G8 Gruiformes (Ralliformes)
 872.O2 Odontognathae (Odontoholcae)
 872.O6 Opisthocomidae
 872.P2 Passeriformes
 872.P4 Pelicaniformes
 872.P5 Piciformes
 872.P6 Podargidae
 872.P65 Prophaethontiformes
 872.P7 Psitaciformes
 872.P8 Pteroclididae
 Ralliformes see QE872.G8
 872.R4 Rheiformes
 Sauriuae see QE872.A8
 872.S4 Sphenisciformes
 872.S5 Steatornithes
 Steganpodes see QE872.P4
 872.S8 Strigiformes
 872.S9 Struthioniformes
 Teratornis see QE872.V9
 872.T5 Threskiornithidae (Ibises and spoonbills)
 872.V9 Vulturidae
 875 Fossil eggs
- Mammals
- 881 General works, treatises, and textbooks
 882.A-Z Systematic divisions, A-Z
 882.C15 Carnivora
 882.C5 Cetacea
 882.C8 Chiroptera
 882.C9 Creodonta
 882.D4 Deltatheridia
 882.D45 Desmostylia

Paleozoology

Chordata

Vertebrates

Mammals

Systematic divisions, A-Z -- Continued

- 882.D6 Docodonta
- 882.E2 Edentata. Xenarthra
- 882.E86 Eupantotheria
- 882.H47 Herbivora
- 882.I5 Insectivora
- 882.L3 Lagomorpha
- 882.M25 Macroscelidea
- Marsupialia
- 882.M3 General works
- 882.M32 Dasyuromorphia
- 882.M33 Didelphimorphia
- 882.M34 Diprotodontia
- 882.M35 Microbiotheria
- 882.M36 Notoryctemorphia
- 882.M37 Paucituberculata
- 882.M38 Peramelemorphia
- 882.M39 Sparassodonta
- 882.M6 Monotremata
- 882.M8 Multituberculata
- 882.N6 Notoungulata
- 882.P3 Pantotheria
- 882.P45 Pholidota
- 882.P5 Pinnipedia
- 882.P7 Primates
- Cf. GN282+ Human paleontology
- 882.P8 Proboscidea
- 882.R6 Rodentia
- 882.S32 Scandentia
- 882.S6 Sirenia
- 882.T34 Taeniodontia
- 882.T49 Theria
- 882.T5 Tillodontia
- 882.T8 Tubulidentata
- Ungulates
- 882.U2 General works
- 882.U3 Artiodactyla
- 882.U6 Perissodactyla
- 882.U8 Other
- e.g. Dinocerata, Toxodontia
- Xenarthra see QE882.E2
- Fossils of doubtful affinity or origin
- 899 General works

Paleozoology

Fossils of doubtful affinity or origin --

Continued

- 899.2.A-Z Special groups, A-Z
- 899.2.A37 Acritarchs
- 899.2.C65 Conodonts
- 899.2.C67 Coprolites
- 899.2.D32 Dacryoconarida
- 899.2.T45 Tentaculitida

Paleobotany

- 901 Periodicals, societies, congresses, serial publications
- 903 Nomenclature, terminology, notation, abbreviations

History

- 904.A1 General works
- 904.A2-Z By region or country, A-Z

Biography

- 904.5 Collective
 - Including directories
- 904.52.A-Z Individual, A-Z
 - e.g.
 - 904.52.S4 Seward, Sir Albert Charles, 1863-1941

905 General works, treatises, and textbooks

906 Juvenile works

907 Pictorial works and atlases

Museums. Exhibitions

- 908.A1 General works
- 908.A2-Z By region or country, A-Z

Subarrange each country by Table Q5

909 Study and teaching. Research

911 Addresses, essays, lectures

Stratigraphic divisions

Precambrian

- 914 General works
- 914.5 Proterozoic

Paleozoic

- 915 General works
- 916 Cambrian
- 916.5 Ordovician
- 917 Silurian
- 918 Devonian
- Carboniferous
 - 919 General works
 - 919.3 Mississippian
 - 919.5 Pennsylvanian
- 920 Permian

Paleobotany

Stratigraphic divisions -- Continued

Mesozoic

- 921 General works
- 922 Triassic
- 923 Jurassic
- 924 Cretaceous

Cenozoic

- 925 General works
- Tertiary
- 926 General works
- Paleogene
- 926.5 General works
- 927 Paleocene
- 927.2 Eocene
- 928 Oligocene
- Neogene
- 928.5 General works
- 929 Miocene
- 930 Pliocene
- Quaternary
- 931 General works
- 931.2 Pleistocene
- 931.3 Holocene, Recent
- 932 Amber flora

Geographical divisions

Prefer the stratigraphic divisions

- 934 Arctic regions
- North America
- 935 General works
- United States
- 936 General works
- 937.A-Z By region or state, A-Z
- Canada
- 938.A1 General works
- 938.A3-Z By region or province, A-Z
- Mexico
- 939.A1 General works
- 939.A3-Z By region or state, A-Z
- West Indies. Caribbean Area
- 940.A1 General works
- 940.A3-Z By region, country, or island, A-Z
 - Offshore islands generally class with adjacent mainland
- Central America
- 941.A1 General works

Paleobotany

Geographical divisions

North America

Central America -- Continued

941.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

South America

942.A1

General works

942.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Europe

943

General works

944

Great Britain

945.A-Z

Other regions or countries, A-Z

Asia

946.A1

General works

946.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Africa

947.A1

General works

947.A3-Z

By region, country, or island, A-Z

Offshore islands generally class with adjacent mainland

Australia

948.A1

General works

948.A3-Z

By state or territory, A-Z

Offshore islands generally class with adjacent mainland

948.2

New Zealand

949.A-Z

Pacific islands, A-Z

950

Antarctica

Systematic divisions

955

Algae

Including Characeae, Dasycladaceae, Diatomaceae, Dinoflagellates, and Stromatolites

958

Fungi

959

Bryophyta (Liverworts and mosses)

Pteridophyta

960

General works

960.5

Psilophyta. Psilopsida

961

Pterophyta. Polypodiophyta (Ferns)

Paleobotany

Systematic divisions

Pteridophyta -- Continued

965

Sphenopsida. Equisetophyta

Hyeniales, Pseudoborniales, Calamitales,
Equisetales, Sphenophyllales

971

Lycopsida

Protolpidodendrales, Lepidodendrales,
Pleuromeiales, Isoetales, Lycopodiales,
Selaginellales

Gymnosperms. Pinophyta

975

General works

Cycadophyta

976

General works

976.2

Cycadales

976.3

Cycadeoidales

976.4

Pteridospermales

Coniferophyta

977

General works

977.2

Coniferales

977.3

Ginkgoales

977.4

Gnetales

977.5

Taxales

978

Cordaitales

Angiospermophyta. Magnoliophyta

980

General works

981

Monocotyledons

983

Dicotyledons

989

Plants of unascertained position

990

Coal balls

991

Fossil woods. Fossil trees

992

Fossil leaves

Palynology

993

General works

993.2

Fossil pollen

996

Fossil spores

996.5

Fossil fruits and seeds

- Natural history (General)
- Periodicals, societies, congresses, serial publications
 - 1 English
 - 3 French
 - 5 German
 - 7 Other languages (not A-Z)
 - 9 Collected works (nonserial)
 - 9.5 International Biological Programme
 - 11 Voyages and expeditions
 - Cf. Q115+ Scientific expeditions
 - Cf. QK5 Botanical expeditions
 - Cf. QL5 Zoological expeditions
 - 13 Dictionaries and encyclopedias
 - Communication of information
 - 13.2 General works
 - 13.3 Information services
 - 13.4 Computer network resources
 - Including the Internet
 - 13.45 Natural history literature
 - 14 Authorship
 - 14.3 Philosophy
 - History
 - 15 General works
 - 21.A-Z By region or country, A-Z
 - Biography
 - 26 Collective
 - 31.A-Z Individual, A-Z
 - e.g.
 - 31.A2 Agassiz
 - Audubon, John James see QL31.A9
 - 31.D2 Darwin, Charles
 - 31.H3 Haller
 - Linnaeus see QH44
 - 31.M45 Mendel
 - 31.W58 White, Gilbert
 - 35 Directories
 - 41 Pre-Linnaean works (through 1735)
 - Cf. QK41 Botany
 - Cf. QL41 Zoology
 - Works of Linnaeus (General)
 - 43 General works
 - 43.5 Minor works of Linnaeus
 - 44 Works about Linnaeus
 - General works, treatises, and advanced textbooks
 - 45 1736-1969
 - 45.2 1970-

- 45.5 Popular works
- 46 Pictorial works and atlases
Cf. TR721+ Nature photography
- 46.5 Natural history illustration
- 47 Elementary textbooks
- 48 Juvenile works
- 49 Vocational guidance
Study and teaching. Research. Nature study
Cf. QH318.5 Biology fieldwork
- 50.5 Directories
- 51 General works
- 53 Outlines, syllabi. Nature study manuals
- 54 Problems, exercises, examinations
- 54.5 Activity programs
- 55 Experiments
- 57 Audiovisual aids
- 58 Nature trails
Cf. HV1664.N38 Natural history for people
with visual disabilities
- Technique
- 60 General works
- 60.2 Data processing
- Collection and preservation
- 61 General works, treatises, and textbooks
- 63 Instruments and apparatus
- 68 Vivariums. Terrariums
Cf. SB417 Glass gardens. Wardian cases
Aquariums (Home and school) see SF456+
Aquariums (Public) see QL78+
Museums. Exhibitions
For research serial publications see QH1+
- 70.A1 General works
- 70.A2-Z By region or country, A-Z
Subarrange each country by Table Q5
- 72 Commercial lists, catalogs, etc.

- Nature conservation. Landscape protection.
 Biological diversity conservation. Endangered species and ecosystems (General). Habitat conservation. Ecosystem management.
 Conservation biology
 Including natural areas, nature reserves, wilderness areas, biosphere reserves, ecological reserves, environmentally sensitive areas
 Cf. GF90+ Landscape assessment
 Cf. GV191.67.W5 Recreational aspects of wilderness areas
 Cf. QH91.8.B6 Marine biology
 Cf. SK351+ Wildlife management areas
- 75.A1 Periodicals, societies, congresses, serial publications
- 75.A3-Z General works, treatises, and textbooks
 By region or country
 United States
 General works
 By region or state, A-Z
 Other regions or countries, A-Z
- 76
 76.5.A-Z
 77.A-Z
 78 Extinction (Biology)
 Cf. QE721.2.E97 Paleontology
 Cf. QL88+ Animal extinction
- 81 Addresses, essays, lectures. Nature books
 Cf. GV191.2+ Outdoor life. Outdoor recreation
 Cf. QH53 School manuals of nature study
 Cf. QH58 Nature trails
 Edible plants and animals. Wild food gathering
 For cultivated plants and animals see S1+
 Cf. QK98.5.A1+ Edible wild plants
 Cf. QK617 Edible mushrooms
 Cf. SH400+ Seafood gathering
 Cf. SH401+ Fishing
 Cf. SK1+ Hunting
- 82 General works
- 82.3.A-Z By region or country, A-Z
- 83 Classification. Nomenclature
 Cf. QK91+ Plant classification
 Cf. QL351+ Animal classification
- 83.5 Terminology, notation, abbreviations
 Geographical distribution. Biogeography.
 Phylogeography
 Cf. QH543.3 Dispersal of organisms by environmental factors
- 84 General works, treatises, and textbooks

- Geographical distribution. Biogeography.
 Phylogeography -- Continued
 Cold regions. Polar regions
 Including Arctic regions
- 84.1 General works
 84.2 Antarctica
 84.3 Temperate regions
 84.5 Tropics
 Cf. QH86 Rain forests
- Physiographic divisions
 Land
- 84.8 Soils
 85 Islands
 86 Forests
 Including rain forests, old growth
 forests, etc.
- 87 Mountains
 87.2 Valleys
 87.3 Wetlands
 Including marshes, swamps, moors, bogs,
 etc.
- (87.5) Moors
 see QH87.3
- 87.7 Prairies. Grasslands
 88 Deserts
 88.5 Dunes
 89 Caves
- Water. Aquatic biology
 For aquatic biology of a particular place
 see QH101+
 Cf. GB855+ Natural water chemistry
- 90.A1 Periodicals, societies, congresses, serial
 publications
- 90.A4 Collected works (nonserial)
 90.A5-Z General works, treatises, and textbooks
 90.1 Addresses, essays, lectures
 90.15 Popular works
 90.16 Juvenile works
 90.17 Pictorial works and atlases
 90.2 Dictionaries and encyclopedias
 90.25 History
 For local history see QH101+
- Biography
 90.3.A2 Collective
 90.3.A3-Z Individual, A-Z
 90.35 Directories

- Geographical distribution. Biogeography.
 Phylogeography
 Physiographic divisions
 Water. Aquatic biology -- Continued
- 90.45 Aquatic biology as a profession. Vocational guidance
 Study and teaching. Research
- 90.5 General works
- 90.53 Outlines, syllabi
- 90.55 Laboratory manuals
- 90.56 Collection and preservation
 Research methods and apparatus
- 90.57.A1 General works, treatises, and textbooks
 90.57.A3-Z Special, A-Z
 90.57.A77 Artificial substrates
 90.57.B5 Biological assay. Biological assessment
 90.57.D7 Dredging
- Laboratories and stations
 Cf. QH91.6+ Marine laboratories
 Cf. QH96.6+ Freshwater laboratories
- 90.6 General works
 90.65.A-Z By region or country, A-Z
 Subarrange each country by Table Q6
- Museums. Exhibitions
 Serial publications see QH90.A1
- 90.7.A1 General works
 90.7.A2-Z By region or country, A-Z
 Subarrange each country by Table Q5
- Aquatic parks and reserves
 90.75.A1 General works, treatises, and textbooks
 90.75.A3-Z By region or country, A-Z
- 90.8.A-Z Special topics, A-Z
 90.8.B46 Benthos
 Ecology see QH541.5.W3
 90.8.N44 Nekton
 90.8.P5 Plankton (General)
 Cf. QH91.8.P5 Marine plankton
 Cf. QH96.8.P5 Freshwater plankton
 Cf. QK933+ Phytoplankton
 Cf. QL123 Zooplankton
- 90.8.T68 Toxicology
- Marine biology
 Cf. QH541.5.S3 Marine ecology
- 91.A1 Periodicals, societies, congresses, serial publications
- 91.A4 Collected works (nonserial)
- 91.A5-Z General works, treatises, and textbooks

- Geographical distribution. Biogeography.
 Phylogeography
 Physiographic divisions
 Water. Aquatic biology
 Marine biology -- Continued
- 91.1 Addresses, essays, lectures
 91.15 Popular works
 91.16 Juvenile works
 91.17 Pictorial works and atlases
 91.2 Dictionaries and encyclopedias
 91.25 History
 For local history see QH101+
- Biography
 91.3.A2 Collective
 91.3.A3-Z Individual, A-Z
 91.35 Directories
 91.45 Marine biology as a profession. Vocational guidance
- Study and teaching. Research
 91.5 General works
 91.53 Outlines, syllabi
 91.55 Laboratory manuals
 91.56 Collection and preservation
 Research methods and apparatus
 91.57.A1 General works, treatises, and textbooks
 91.57.A3-Z Special, A-Z
 91.57.A4 Aeronautics
 91.57.B5 Biological assay. Biological assessment
 91.57.C68 Counting and measuring
 91.57.D7 Dredging
 91.57.E4 Electronic data processing
 Measuring see QH91.57.C68
 91.57.P4 Photosynthesis determination
 91.57.P5 Plankton sampling
 91.57.R47 Research ships
- Laboratories and stations
 91.6 General works
 91.65.A-Z By region or country, A-Z
 Subarrange each country by Table Q6
- Museums. Exhibitions
 Serial publications see QH90.A1
- 91.7.A1 General works
 91.7.A2-Z By region or country, A-Z
 Subarrange each country by Table Q5
- Marine parks and reserves
 91.75.A1 General works, treatises, and textbooks
 91.75.A3-Z By region or country, A-Z

- Geographical distribution. Biogeography.
- Phylogeography
- Physiographic divisions
- Water. Aquatic biology
 - Marine biology -- Continued
 - Special topics, A-Z
 - 91.8.A-Z
 - 91.8.B4 Benthos
 - 91.8.B5 Biological chemistry
 - 91.8.B6 Biological diversity conservation
 - 91.8.D44 Deep-sea biology
 - For deep-sea biology of a particular region see QH92+
 - 91.8.E3 Echo scattering layers
 - Ecology see QH541.5.S3
 - 91.8.E87 Eutrophication
 - 91.8.E94 Exotic marine organisms
 - 91.8.M3 Marine borers. Marine fouling organisms
 - Marine eutrophication see QH91.8.E87
 - 91.8.M34 Marine productivity
 - 91.8.N37 Nekton
 - 91.8.N4 Neuston
 - 91.8.N46 Nitrogen cycle
 - 91.8.O4 Oil pollution
 - 91.8.P5 Plankton
 - Cf. QK934 Marine phytoplankton
 - Cf. QL123 Marine zooplankton
 - 91.8.P7 Primary productivity
 - By region
 - For marine biology of a particular region or country or off the coast of a particular region or country see QH101+
 - Atlantic Ocean
 - 92 General works
 - North Atlantic Ocean
 - 92.1 General works
 - Coast of North America
 - 92.2 General works
 - 92.3 Gulf of Mexico
 - 92.4 Caribbean Sea
 - 92.5.A-Z Other, A-Z
 - 92.5.B33 Baffin Bay
 - 92.5.G46 Georges Bank
 - 92.5.M34 Maine, Gulf of
 - Coast of Europe
 - 92.6 General works
 - 92.7 Baltic Sea
 - 92.8 North Sea

Geographical distribution. Biogeography.

Phylogeography

Physiographic divisions

Water. Aquatic biology

Marine biology

By region

Atlantic Ocean

North Atlantic Ocean

Coast of Europe -- Continued

92.9.A-Z Other, A-Z

92.9.B57 Biscay Bay

Mediterranean Sea

93 General works

93.1 Adriatic Sea

93.2 Aegean Sea

93.3 Black Sea

93.4 Caspian Sea

93.5.A-Z Other, A-Z

South Atlantic Ocean

93.6 General works

Coast of Africa

93.7 General works

93.75 Gulf of Guinea

93.8 Coast of South America

93.9.A-Z Other, A-Z

Indian Ocean

94 General works

94.2 Arabian Sea

94.3 Red Sea

94.4 Persian Gulf

94.5 Bengal, Bay of

94.7.A-Z Other, A-Z

Pacific Ocean

95 General works

North Pacific Ocean

95.1 General works

Coast of Asia

95.2 General works

95.22 China Sea

95.23 Yellow Sea

95.24 Japan Sea

95.25 Sea of Okhotsk

95.26 Bering Sea

95.28.A-Z Other, A-Z

Coast of North America

95.3 General works

95.35 Gulf of Alaska

- Geographical distribution. Biogeography.
 Phylogeography
 Physiographic divisions
 Water. Aquatic biology
 Marine biology
 By region
 Pacific Ocean
 North Pacific Ocean -- Continued
 95.4 Coast of Mexico and Central America
 95.45.A-Z Other, A-Z
 South Pacific Ocean
 95.5 General works
 95.52 Coast of South America
 95.53 Coral Sea
 95.54 Tasman Sea
 95.55.A-Z Other, A-Z
 Arctic Ocean
 Including polar oceans
 95.56 General works
 95.57.A-Z Arctic seas, A-Z
 95.58 Antarctic Ocean
 95.59 Tropical seas
 95.6.A-Z Inland seas, A-Z
 Cf. QH93+ Mediterranean Sea
 Cf. QH93.4 Caspian Sea
 95.7 Seashore biology
 95.8 Coral reefs
 95.9 Brackish water. Saline water
 Freshwater biology. Limnology
 For works limited to specific geographic
 areas see QH101+
 96.A1 Periodicals, societies, congresses, serial
 publications
 96.A4 Collected works (nonserial)
 96.A5-Z General works, treatises, and textbooks
 96.1 Addresses, essays, lectures
 96.15 Popular works
 96.16 Juvenile works
 96.17 Pictorial works and atlases
 96.2 Dictionaries and encyclopedias
 96.25 History
 For local history see QH101+
 Biography
 96.3.A2 Collective
 96.3.A3-Z Individual, A-Z
 96.35 Directories

- Geographical distribution. Biogeography.
- Phylogeography
- Physiographic divisions
- Water. Aquatic biology
 - Freshwater biology. Limnology -- Continued
 - 96.45 Freshwater biology as a profession.
 - Vocational guidance
 - Study and teaching. Research
 - 96.5 General works
 - 96.53 Outlines, syllabi
 - 96.55 Laboratory manuals
 - 96.56 Collection and preservation
 - Research methods and apparatus
 - 96.57.A1 General works, treatises, and textbooks
 - 96.57.A3-Z Special, A-Z
 - 96.57.P75 Productivity measurement
 - 96.57.R33 Radioactive tracers
 - Laboratories and stations
 - 96.6 General works
 - 96.65.A-Z By region or country, A-Z
 - Subarrange each country by Table Q6
 - Museums. Exhibitions
 - 96.7.A1 General works
 - 96.7.A2-Z By region or country, A-Z
 - Subarrange each country by Table Q5
 - Aquatic parks and reserves
 - 96.75.A1 General works, treatises, and textbooks
 - 96.75.A3-Z By region or country, A-Z
 - 96.8.A-Z Special topics, A-Z
 - 96.8.B4 Benthos
 - 96.8.B5 Biological assay. Biological assessment
 - Ecology see QH541.5.F7
 - 96.8.E9 Eutrophication
 - 96.8.N48 Neuston
 - 96.8.P43 Periphyton
 - 96.8.P5 Plankton
 - Cf. QK935 Freshwater phytoplankton
 - Cf. QL143 Freshwater zooplankton
 - 96.8.P7 Primary productivity
 - 96.8.R34 Remote sensing
 - 96.8.R35 Reservoir drawdown
 - Special freshwater environments
 - 97 Streams
 - 98 Lakes. Ponds
 - 99 Springs
 - 100 Snow and ice
- Topographical divisions

Geographical distribution. Biogeography.

Phylogeography

Topographical divisions -- Continued

America

- 101 General works
North America
- 102 General works
United States
- 104 General works
- 104.5.A-Z By region, A-Z
- 104.5.A6 Appalachian Mountains
- 104.5.A74 Arkansas River
- 104.5.A84 Atlantic Coast
- 104.5.A85 Atlantic States
- 104.5.B42 Beartooth Mountains
- 104.5.B45 Bitterroot Range (Idaho and Mont.)
- 104.5.B47 Black Hills (S. D. and Wyo.)
- 104.5.B49 Blue Mountains (Or. and Wash.)
- 104.5.B5 Blue Ridge Mountains
- 104.5.C25 Caddo Lake and Region (La. and Tex.)
- 104.5.C3 Cascade Range
- 104.5.C35 Champlain, Lake
- 104.5.C45 Chesapeake Bay
- 104.5.C58 Colorado Plateau
- 104.5.C6 Colorado River (Colo.-Mexico)
- 104.5.C64 Columbia Plateau. Columbia River
- 104.5.C74 Cross Timbers (Okla. and Tex.)
- 104.5.C85 Cumberland Mountains
- 104.5.D4 Death Valley (Calif. and Nev.). Death
Valley National Park (Calif. and Nev.)
- 104.5.D44 Delaware River
- 104.5.D46 Delmarva Peninsula
- 104.5.D48 Detroit River (Mich. and Ont.)
Dismal Swamp see QH105.V8
- 104.5.E37 East
- 104.5.E73 Erie, Lake
Four Corners Region see QH104.5.S6
- 104.5.F76 Front Range (Colo. and Wyo.)
- 104.5.G68 Great Basin
- 104.5.G7 Great Lakes
- 104.5.G73 Great Plains
Great Smoky Mountains see QH105.N8
- 104.5.G84 Gulf Coast
- 104.5.H53 High Plains
- 104.5.H83 Hudson River
- 104.5.H86 Huron, Lake (Mich. and Ont.)
- 104.5.K55 Klamath River Watershed (Or. and Calif.)

- Geographical distribution. Biogeography.
 Phylogeography
 Topographical divisions
 America
 North America
 United States
 By region, A-Z -- Continued
- | | |
|------------|---|
| 104.5.L34 | Lake States |
| 104.5.M24 | Maine, Gulf of |
| 104.5.M44 | Michigan, Lake |
| 104.5.M45 | Middle Atlantic States |
| 104.5.M47 | Middle West |
| 104.5.M5 | Mississippi River. Mississippi River
Valley |
| 104.5.M56 | Missouri River |
| 104.5.N4 | New England |
| 104.5.N45 | New York Region |
| 104.5.N58 | Northeastern States |
| 104.5.N6 | Northwest, Pacific |
| 104.5.N62 | Northwestern States |
| 104.5.O9 | Ozark Mountains |
| 104.5.P32 | Pacific Coast |
| 104.5.P54 | Piedmont Region |
| 104.5.P67 | Potomac River |
| 104.5.R33 | Red River Valley (Minn. and N.D.- Man.) |
| 104.5.R6 | Rocky Mountains |
| 104.5.S25 | San Juan River |
| 104.5.S255 | San Luis Valley (Colo. and N.M.) |
| 104.5.S27 | Savannah River (Ga. and S. C.) |
| 104.5.S54 | Sierra Nevada |
| 104.5.S545 | Siskiyou Mountains (Calif. and Or.) |
| 104.5.S55 | Snake River |
| 104.5.S58 | Sonoran Desert |
| 104.5.S59 | Southern states |
| 104.5.S6 | Southwest. Four Corners Region |
| 104.5.S85 | Superior. Lake |
| 104.5.W29 | Wasatch Range (Utah and Idaho) |
| 104.5.W4 | West (U.S.) |
| 104.5.W47 | White Mountains (Calif. and Nev.) |
| 104.5.W48 | White Mountains (N.H. and Me.) |
| 104.5.Y44 | Yellowstone River |
| 105.A-.W | By state, A-W
e.g.
Hawaii see QH198.H3 |
| 105.N8 | North Carolina
Including Great Smoky Mountains |

- Geographical distribution. Biogeography.
 Phylogeography
 Topographical divisions
 America
 North America
 United States
 By state, A-W -- Continued
 105.V8 Virginia
 Including Dismal Swamp
 Canada
 106 General works
 106.2.A-Z By region or province, A-Z
 For regions that include both the
 United States and Canada see
 QH104.5.A+
- Latin America
 106.5 General works
 107 Mexico
 Central America
 108.A1 General works
 108.A2-Z By region or country, A-Z
 108.B43 Belize. British Honduras
 British Honduras see QH108.B43
 108.C6 Costa Rica
 El Salvador see QH108.S3
 108.G8 Guatemala
 108.H6 Honduras
 108.N5 Nicaragua
 108.P3 Panama
 108.S3 El Salvador
- West Indies. Caribbean Area
 109.A1 General works
 109.A2-Z By island or group of islands, A-Z
 109.A48 Antigua and Barbuda
 109.A5 Antilles, Lesser
 109.B3 Bahamas
 109.B35 Barbados
 Bermuda see QH110
 109.C38 Cayman Islands
 109.C9 Cuba
 109.C93 Curaçao
 109.D66 Dominican Republic
 109.F74 French West Indies
 109.G74 Grenada
 109.G8 Guadeloupe
 109.H3 Haiti
 Hispaniola see QH109.D66

- Geographical distribution. Biogeography.
 Phylogeography
 Topographical divisions
 America
 Latin America
 West Indies. Caribbean Area
 By island or group of islands, A-Z --
 Continued
 Hispaniola see QH109.H3
 Jamaica
 Netherlands Antilles
 Puerto Rico
 Saint Kitts and Nevis
 Saint Lucia
 Saint Vincent and the Grenadines
 Trinidad and Tobago
 Turks and Caicos Islands
 Virgin Islands
 West Indies, French see QH109.F74
- 109.J5
 109.N48
 109.P6
 109.S24
 109.S25
 109.S28
 109.T8
 109.T82
 109.V55
- 110
 Bermuda
 South America
- 111
 General works
 By region or country
- 112
 Amazon River. Amazonia
 113
 Argentina
 115
 Bolivia
 117
 Brazil
 119
 Chile
 121
 Colombia
 123
 Ecuador
 For Galapagos Islands see QH198.G3
- Guianas
 125
 General works
 125.2
 French Guiana
 125.4
 Guyana (British Guiana)
 125.6
 Suriname (Dutch Guiana)
 125.85
 Orinoco River (Venezuela and Colombia)
 127
 Paraguay
 128
 Peru
 128.5
 Titicaca Lake (Peru and Bolivia)
 129
 Uruguay
 130
 Venezuela
- Atlantic Ocean islands
 General works
 By island or group of islands, A-Z
 Azores
 Bermuda see QH110

Geographical distribution. Biogeography.

Phylogeography

Topographical divisions

Atlantic Ocean islands

By island or group of islands, A-Z --

Continued

132.B68

Bouvet Island

132.C3

Canary Islands

132.C33

Cape Verde

132.F37

Faroe Islands

132.G73

Greenland

132.M28

Macaronesia

132.M3

Madeira Islands. Salvages Islands

Salvages Islands see QH132.M3

132.S644

South Georgia Island

132.S646

South Orkney Islands

West Indies see QH109.A1+

Europe

135

General works

By region or country

British Isles. Great Britain

137

General works

England

138.A1

General works

138.A3-Z

Local, A-Z

e.g.

138.S4

Selborne

141

Scotland

143

Ireland

143.5

Northern Ireland

144

Wales

145

Austria

147

France

Including the Riviera

149

Germany

150

Mediterranean Region (General)

151

Greece

152

Italy

154

Malta

157

Belgium

158

Luxembourg

159

Netherlands

Russia. Soviet Union. Russia (Federation)

161

General works

Russia in Asia see QH191

161.5

Belarus

161.6

Moldova

Geographical distribution. Biogeography.

Phylogeography

Topographical divisions

Europe

By region or country -- Continued

- 161.7 Ukraine
- 162 Poland
- 164 Scandinavia (General)
- 165 Denmark
 - Faroe Islands see QH132.F37
- 166 Iceland
- 168 Norway
- 169 Sweden
- Spain
 - 171 General works
 - 171.2 Balearic Islands
 - Canary Islands see QH132.C3
- 173 Portugal
 - For Azores see QH132.A9
- 175 Switzerland
 - Including Alps (General)
- 177 Balkan Peninsula
 - Including Turkey in Europe
 - For Turkey in Asia see QH192
- 178.A-Z Other European regions or countries, A-Z
- 178.A47 Albania
- 178.A53 Andorra
- 178.A73 Ardennes
- 178.A85 Atlantic Coast
- 178.A95 Azov, Sea of (Ukraine and Russia)
- 178.B9 Bulgaria
- 178.C36 Central Europe
- 178.C7 Crete
- 178.C73 Croatia
- 178.C8 Czechoslovakia. Czech Republic
- 178.D36 Danube River Valley
- 178.D6 Donets Basin (Ukraine and Russia)
- 178.E88 Estonia
- 178.F5 Finland
- 178.H8 Hungary
- 178.I87 Istria
- 178.J85 Jura Mountains
- 178.L28 Lapland
- 178.L34 Latvia
- 178.L45 Liechtenstein
- 178.L5 Lithuania
- 178.M23 Macedonia (Republic)

- Geographical distribution. Biogeography.
 Phylogeography
 Topographical divisions
 Europe
 By region or country
 Other European regions or countries, A-Z --
 Continued
 Mediterranean Region see QH150
 Pieniny Range (Poland and Slovakia)
 Pyrenees
 Rhine River Valley
 Riga, Gulf of (Latvia and Estonia)
 Romania
 San Marino
 Slovakia
 Slovenia
 Yugoslavia
- 178.P53
 178.P97
 178.R55
 178.R57
 178.R8
 178.S27
 178.S65
 178.S66
 178.Y8
 178.5
- Eurasia
 Asia
 General works
 By region or country
 China
 India
 Sri Lanka
 Indochina
 General works
 Cambodia
 Laos
 Vietnam
 Malaysia. Malay Peninsula
 Indonesia
 For Papua see QH186.5
 New Guinea
 Including Papua (Indonesia) and Papua New Guinea
 Philippines
 Japan
 General works
 Ryuku Islands
 Including Okinawa Prefecture
 Iran
 Kuwait
 Russia in Asia. Siberia
 Central Asia
 General works
 Kazakhstan
 Kyrgyzstan

178.P53
 178.P97
 178.R55
 178.R57
 178.R8
 178.S27
 178.S65
 178.S66
 178.Y8
 178.5

179

181
 183
 183.5

184
 184.2
 184.4
 184.6
 185
 186

186.5

187

188
 188.3

189
 190
 191

191.3
 191.4
 191.5

Geographical distribution. Biogeography.

Phylogeography

Topographical divisions

Asia

By region or country

Central Asia -- Continued

191.6

Tajikistan

191.7

Turkmenistan

191.8

Uzbekistan

192

Turkey in Asia

192.5

Caucasus

Including Armenia, Azerbaijan, Georgia
(Republic)

193.A-Z

Other Asian regions or countries, A-Z

193.A34

Afghanistan

193.B35

Bangladesh

193.B65

Borneo

193.B7

Brunei

193.B93

Burma

193.C8

Cyprus

193.E18

East Asia

193.G35

Ganges River

193.G62

Gobi Desert

193.G64

Golan Heights

193.H5

Himalayan Mountains

193.I7

Iraq

193.I8

Israel. Palestine

193.J6

Jordan

193.K57

Kopet Dag (Turkmenistan and Iran)

193.K6

Korea

193.L42

Lebanon

193.M25

Macao

193.M28

Malacca, Strait of

193.M6

Mongolia

193.N4

Nepal

193.O5

Oman

193.P28

Pakistan

Palestine see QH193.I8

193.P33

Pamir-Alai Mountains

193.P349

Persian Gulf

193.P35

Persian Gulf Region

193.P352

Persian Gulf States

193.Q2

Qatar

193.S28

Saudi Arabia

193.S46

Singapore

193.S59

South Asia

193.S6

Southeast Asia

Geographical distribution. Biogeography.

Phylogeography

Topographical divisions

Asia

By region or country

Other Asian regions or countries, A-Z --

Continued

193.S9
193.T35
193.T46
193.T48
193.U5
(193.V53)

Syria
Taiwan
Thailand
Tien Shan
United Arab Emirates
Vietnam
see QH184.6

193.Y4

Yemen

Africa

194
195.A-Z

195.A23
195.A233
195.A24
195.A25
195.A3

195.A312
195.A323

General works

By region or country, A-Z

Africa, Central see QH195.C37

Africa, East

Africa, Eastern

Africa, French-speaking Equatorial

Africa, French-speaking West

Africa, North

Cf. QH150 Mediterranean Region

Africa, Northeast

Africa, Southern

Africa, Southwest see QH195.N29

Africa, Sub-Saharan see QH195.S87

Africa, West see QH195.W46

195.A4

Algeria

195.B6

Botswana

195.B92

Burkina Faso

195.C37

Central Africa

195.C38

Central African Republic

195.C45

Chad

195.C46

Chad, Lake

195.C58

Congo (Brazzaville)

195.C6

Congo (Democratic Republic). Zaire

Côte d'Ivoire see QH195.I9

195.E4

Egypt

195.E76

Equatorial Guinea

195.E8

Ethiopia

195.G3

Gabon

195.G34

Gambia

195.G53

Ghana

195.G84

Guinea

Geographical distribution. Biogeography.

Phylogeography

Topographical divisions

Africa

By region or country, A-Z -- Continued

- 195.G85 Guinea-Bissau
- 195.I9 Ivory Coast. Côte d'Ivoire
- 195.K3 Kalahari Desert
- 195.K4 Kenya
- 195.L47 Lesotho
- 195.L7 Liberia
- 195.M2 Madagascar
- 195.M47 Malawi
- 195.M475 Mali
- 195.M479 Mauritania
- 195.M4793 Mayumbe
- 195.M5 Morocco
- 195.M6 Mozambique
- (195.N27) Namib Desert
 - see QH195.N29
- 195.N29 Namibia. Southwest Africa
- 195.N49 Niger River
- 195.N5 Nigeria
- 195.O38 Okavango River
- Rhodesia, Northern see QH195.Z3
- Rhodesia, Southern see QH195.Z55
- 195.R53 Rift Valley
- 195.R9 Ruwenzori Mountains
- 195.R92 Rwanda
- 195.S3 Sahara
- 195.S33 Sahel
- 195.S36 Senegal
- 195.S53 Sierra Leone
- 195.S6 South Africa
- Southern Africa see QH195.A323
- 195.S72 Stanley Pool (Congo (Brazzaville) and Zaire)
- 195.S87 Sub-Saharan Africa
- 195.S9 Sudan
- 195.S92 Sudan (Region)
- 195.T28 Tanganyika, Lake
- 195.T3 Tanzania
- 195.T53 Togo
- 195.U4 Uganda
- United Arab Republic see QH195.E4
- 195.V5 Victoria, Lake
- 195.W46 West Africa
- 195.Z3 Zambia

Geographical distribution. Biogeography.

Phylogeography

Topographical divisions

Africa

By region or country, A-Z -- Continued

195.Z55

Zimbabwe

Indian Ocean islands

196.A1

General works

196.A2-Z

By island or group of islands, A-Z

196.A4

Aldabra Islands

196.C53

Chagos Islands

196.C55

Christmas Island

196.C64

Comoro Islands

196.H43

Heard Island

196.K3

Kerguelen

Madagascar see QH195.M2

196.M35

Marion Island

196.M38

Mauritius

196.M39

Mayotte

196.R4

Réunion

196.S2

Saint Paul

196.S4

Seychelles

Australasia

196.8

General works

197

Australia

197.5

New Zealand

Pacific Area. Pacific islands

198.A1

General works

198.A2-Z

By island or group of islands, A-Z

198.A44

American Samoa

198.B5

Bismarck Archipelago

198.C3

Campbell Island

198.C65

Cook Islands

198.E53

Enewetak Atoll

198.F3

Fanning Island

198.F55

Fiji

198.G3

Galapagos Islands

198.G8

Guam

198.H3

Hawaiian Islands

198.J64

Johnston Island

198.K57

Kiribati

198.M18

Mariana Islands

198.M2

Marquesas Islands

198.M34

Marshall Islands

198.M48

Micronesia

198.M5

Midway Islands

198.N4

New Caledonia

- Geographical distribution. Biogeography.
 Phylogeography
 Topographical divisions
 Australasia
 Pacific Area. Pacific islands
 By island or group of islands, A-Z --
 Continued
- 198.P4 Pelew Islands
 Samoa see QH198.W5
- 198.S3 Samoan Islands
 198.S5 Snares Islands (N.Z.)
 198.S6 Solomon Islands
 198.T35 Tahiti
 198.T88 Tuvalu
 198.V35 Vanuatu
 198.W5 Western Samoa. Samoa
- (199) Arctic regions
 see QH84.1
- (199.5) Antarctica
 see QH84.2
- Tropical regions see QH84.5
- Microscopy
- 201 Periodicals, societies, congresses, serial
 publications
- 202 Collected works (nonserial)
- 203 Dictionaries and encyclopedias
- 204 History
 General works, treatises, and textbooks
 Including handbooks
 Cf. QH277 Popular works
- 205 Through 1969
 205.2 1970-
- 206 Study and teaching. Research
- 207 Technique
 Cf. QH231+ Preparation and mounting of objects
- Microscopes
 Cf. QC370.5+ Optical instruments
- 211 General works, treatises, and textbooks
 Class application of microscopic techniques
 with the subject to which they are
 applied, e.g. QE434 Microscopic analysis
 of rocks
- 212.A-Z Special microscopes, A-Z
 Including the use and microscopy of special
 microscopes
- 212.A25 Acoustic microscopes
 212.A76 Atom-probe field ion microscopes

Microscopy

Microscopes

Special microscopes, A-Z -- Continued

- 212.A78 Atomic force microscopes
- 212.C6 Compound microscopes
- 212.D5 Dissecting microscopes
- 212.E4 Electron microscopes
- 212.F5 Field ion microscopes
- 212.F55 Fluorescence microscopes
- 212.I5 Interference microscopes
- 212.M84 Multiphoton excitation microscopes
- 212.N43 Near-field microscopes
- 212.P5 Phase-contrast microscopes
- 212.P6 Polarizing microscopes
- 212.P7 Proton microscopes
- 212.S28 Scanning electrochemical microscopes
- 212.S3 Scanning electron microscopes
Including low-voltage scanning electron
microscopes
- 212.S32 Scanning force microscopes
- 212.S33 Scanning probe microscopes
- 212.S34 Scanning transmission electron microscopes
- 212.S35 Scanning tunneling microscopes
- 212.T7 Transmission electron microscopes
- 212.U48 Ultraviolet microscopes
- 212.X2 X-ray microscopes
- 213 Accessories and their use
- 215 Illuminating apparatus
- 217 Polarizing apparatus
Cf. QH212.P6 Polarizing microscopes
- 219 Catalogs of apparatus and supplies
- 221 Chemical microscopy
Cf. QD98.M5 Microchemical analysis
- 222 Video microscopy
- 224 Confocal microscopy
- 225 Cryomicroscopy
- Preparation of microscope specimens.
Microtechnique
- 231 General works
- 233 Microtomy. Sectioning
- 234 Embedding
Including specific embedments
- 235 Fixation
- 236 Freeze etching
- 236.2 Freeze fracturing
- 237 Staining
- 239 Mounting

- Microscopy -- Continued
- 251 Photomicrography
 - 255 Macrocinematography
 - Microphotometry see QC391
 - 261 Pictorial works and atlases
 - Microscopic observations (General)
 - 271 Through 1800
 - 273 1801-1969
 - 273.2 1970-
 - (274) Microorganisms
 - see QR
 - (275) Aquatic microorganisms
 - see QR105+
 - 277 Popular works
 - 278 Juvenile works
 - 278.5 Receptions

Biology (General)

- Cf. N72.B5 Biology and art
- 301 Periodicals, societies, congresses, serial publications
- 302 Collected works (nonserial)
- 302.5 Dictionaries and encyclopedias
Communication in biology
Cf. QH318 Biological illustration
- 303 General works, treatises, and textbooks
Information services
Including databases (General)
- 303.15 Directories
- 303.2 General works, treatises, and textbooks
- 303.4.A-Z By region or country, A-Z
Subarrange each country by Table Q5
- 303.5 Computer network resources
Including the Internet
- 303.6 Biological literature. Life sciences literature
- 304 Authorship
Including practical manuals and stylebooks
Cf. PE1475 Preparation of scientific papers
in English
- 304.5 Terminology, notation, abbreviations
For nomenclature see QH83
History and conditions
Cf. QH361 History of evolution
- 305 General works
- 305.2.A-Z By region or country, A-Z
- 305.5 Women life scientists. Women biologists
- 306 Early works through 1860
General works and treatises
- 307 1861-1969
- 307.2 1970-
- Textbooks
- Advanced
- 308 Through 1969
- 308.2 1970-
- Elementary
- 308.5 Through 1969
- 308.7 1970-
- 309 Popular works
- 309.2 Juvenile works
- 310 Handbooks, tables, formulas, etc.
- 311 Addresses, essays, lectures
- 313 Special aspects of the subject as a whole
- 314 Biology as a profession. Vocational guidance
Study and teaching. Research

- Study and teaching. Research -- Continued
- 315 General works
- 315.25 Teacher training
- 315.3 Audiovisual aids
- 315.5 Outlines, syllabi
- 316 Problems, exercises, examinations
- 316.4 Activity programs
- 316.5 Experiments
- 317 Laboratory manuals
- 318 Biological illustration
- 318.5 Fieldwork
Cf. QH58 Nature trails
- By region or country
- United States
- 319.A1 General works
- 319.A2-Z By region or state, A-Z
- 320.A-Z Other regions or countries, A-Z
- Biological laboratories and stations
Class here descriptive works, administrative reports, etc.
For scientific contributions (serial) see QH301
Cf. QH90.6+ Aquatic biological laboratories
Cf. QH91.6+ Marine biological laboratories
Cf. QH96.6+ Freshwater biological laboratories
- 321 General works
By region or country
- United States
- 321.5 General works
- 322.A-Z Individual laboratories and stations. By name, A-Z
- 323.A-Z Other regions or countries, A-Z
Subarrange each country by Table Q6
- 323.2 Safety measures
- 323.5 Biometry. Biomathematics. Mathematical models
Cf. QH507 Information theory in biology
- Methods of research. Technique. Experimental biology
Cf. QH585+ Cytology
- 324 General works
- Data processing. Bioinformatics
- 324.2 General works
- 324.25 Artificial intelligence
- Tracers
- 324.3 General works
- 324.35.A-Z Special elements. By chemical symbol, A-Z
(Table Q1)
- 324.4 Germfree life

Methods of research. Technique -- Continued

Instruments and apparatus (General)

- 324.42 General works
- 324.5 Catalogs of apparatus and supplies
- 324.8 Biological models
- 324.9.A-Z Other special, A-Z
- 324.9.A88 Autoclaving
- 324.9.A9 Autoradiography
- 324.9.B48 Biophotometry
- 324.9.B49 Biophysical labeling
- 324.9.B5 Biotelemetry
- 324.9.C3 Calorimetry
- 324.9.C4 Centrifugation
- 324.9.C7 Centrifugation, Density gradient see QH324.9.D46
- 324.9.D46 Cryobiology. Freeze-drying
- 324.9.E36 Density gradient centrifugation
- 324.9.E38 Electron paramagnetic resonance
- 324.9.E4 Electron probe microanalysis
- 324.9.E44 Electrophoresis
- 324.9.E5 Ellipsometry
- 324.9.F38 Enzymatic analysis
- 324.9.F4 Flow cytometry
- 324.9.F4 Fluorescence spectroscopy
- 324.9.I5 Freeze-drying see QH324.9.C7
- 324.9.I8 Infrared spectroscopy
- 324.9.L37 Isolation perfusion
- 324.9.L5 Lasers
- 324.9.L53 Liquid chromatography
- 324.9.M28 Liquid scintillation counting
- 324.9.M3 Magnetic resonance
- 324.9.M5 Manometry
- 324.9.N48 Microprobe analysis
- 324.9.N8 Neutron scattering
- 324.9.R3 Nuclear magnetic resonance
- 324.9.S4 Radioactivation analysis
- 324.9.S53 Separation
- 324.9.S6 Spectrophotometry
- 324.9.S62 Spectroscopy
- 324.9.S95 Spin labels
- 324.9.T45 Synchrotron radiation
- 324.9.X2 Three-dimensional imaging
- 325 X-ray microanalysis
- 325 Origin and beginnings of life

- Space biology
 - Cf. QK760 Effect of space flight on plants
 - Cf. QP82.2.W4 Physiology of weightlessness
 - Cf. RC1150+ Human space physiology
 - Cf. TL943 Planetary quarantine
 - Cf. TL945 Space vehicle sterilization
- 327 General works
- 328 Space radiobiology
- 331 Philosophy of biology
- 332 Bioethics
 - Cf. R724+ Medical ethics
- 333 Social aspects of biology
- 341 Nature of life, vital force, etc.
- 343 Comparison of living and nonliving matter
- 343.4 Geobiology. Biosphere
- Biogeochemistry
 - Cf. QR103 Geomicrobiology
- 343.7 General works
- 344 Biogeochemical cycles
- 345 General biochemistry of plants and animals
 - For works limited to chemical aspects of biological materials see QD415+
 - For the biochemistry of special substances see QP525+
 - Cf. QK861+ Plant biochemistry
 - Cf. QP501+ Animal biochemistry
 - Cf. QR148 Microbiological chemistry
- 347 Comparison of plants and animals
- 349 Miscellany and curiosa
- 351 Morphology
 - Cf. QK640+ Plant morphology
 - Cf. QL799+ Animal morphology
- Population biology
 - Cf. HB848+ Demography
 - Cf. QH455 Population genetics
 - Cf. QK910 Vegetation dynamics
 - Cf. QL752 Animal populations
- 352 General works
- 352.5 Population viability analysis
- 353 Biological invasions
- Evolution
 - For classification by organism, see in subclasses QK or QL
 - Cf. BL263 Religion and science
 - Cf. QE701+ Paleontology
- 359 Periodicals, societies, congresses, serial publications

- Evolution -- Continued
- 360 Collected works (nonserial)
- 360.2 Dictionaries and encyclopedias
- 360.5 Philosophy
- 360.6 Nomenclature, terminology, notation,
abbreviations
- 361 History
- 362 Study and teaching. Research
- 363 Early works through 1860
- Works of Darwin
- 365.A1 Collected works. By date
- 365.A2-.Z8 Separate works, A-Z
- The descent of man
- 365.D2 Editions. By date
- 365.D25 Selections. By editor
- 365.D3-.D79 Translations
- Arrange alphabetically by language, then
Cutter for translator
- 365.D8 Criticism and reviews
- The expression of the emotions in man and
animals
- 365.E2 Editions. By date
- 365.E25 Selections. By editor
- 365.E3-.E79 Translations
- Arrange alphabetically by language, then
Cutter for translator
- 365.E8 Criticism and reviews
- 365.O15-.O18 On the origin of species, previous essays
- Essays written before or during the period
of the creation of the main work
- On the origin of species
- 365.O2 Editions. By date
- 365.O25 Selections. By editor
- 365.O3-.O79 Translations
- Arrange alphabetically by language, then
Cutter for translator, for example:
- 365.O5 German
- 365.O55 Hungarian
- 365.O68 Romanian
- 365.O7 Russian
- 365.O73 Spanish
- 365.O8 Criticism and reviews
- The variation of animals and plants under
domestication
- 365.V2 Editions. By date
- 365.V25 Selections. By editor

- Evolution
- Works of Darwin
 - Separate works, A-Z
 - The variation of animals and plants under domestication -- Continued
 - 365.V3-.V79
 - Translations
 - Arrange alphabetically by language, then Cutter for translator
 - 365.V8
 - Criticism and reviews
 - 365.Z9
 - Selections from more than one work. By editor
 - General works, treatises, and textbooks
 - 1861-1969
 - 1970-
 - 366
 - 1861-1969
 - 366.2
 - 1970-
 - 367
 - Popular works
 - 367.1
 - Juvenile works
 - 367.5
 - Phylogenetic relationships
 - For the evolution of particular animals and groups of animals, see systematic sections, e.g. QL618.2 Evolution of fishes; QL708.5 Evolution of mammals
 - (368)
 - Human evolution
 - see GN281+
 - (368.5)
 - Plant evolution (General)
 - see QK980
 - 369
 - Miscellany and curiosa
 - (371)
 - Special aspects of the subject as a whole
 - see QH371.3.A+
 - 371.3.A-Z
 - Special aspects of the subject as a whole, A-Z
 - 371.3.M37
 - Mathematical models
 - 371.5
 - Macroevolution
 - 372
 - Coevolution
 - 372.5
 - Homoplasy
 - 373
 - Convergence
 - 375
 - Natural selection
 - 376
 - Group selection
 - 378
 - Symbiogenesis
 - 380
 - Speciation
 - 390
 - Mutation in evolution. Evolutionary genetics
 - 395
 - Heterochrony
 - Variation
 - General works
 - Statistical methods
 - see QH323.5
 - Plants
 - see QK983
 - Animals
 - Phenetics
 - 401
 - General works
 - (405)
 - Statistical methods
 - see QH323.5
 - (406)
 - Plants
 - see QK983
 - 408
 - Animals
 - 408.5
 - Phenetics

Evolution

Variation -- Continued

409

Clines

411

Experimental study

Hybridization. Hybrid zones

421

General works

(423)

Plants

see QK982

425

Animals

Class particular animals in QL or SF

Cf. SF105+ Animal breeding

Genetics

Class here general and experimental works in genetics

For studies made on the genetic constitution of an organism in order to elucidate its total function, see systematic divisions in QK, QL, or QR. For genetic studies for improvement of breed or variety, see the plant or animal in S

For endocrine genetics see QP187.5

For immunogenetics see QR184+

426

Periodicals, societies, congresses, serial publications

426.5

Collected works (nonserial)

427

Dictionaries and encyclopedias

History

428

General works

428.2.A-Z

By region or country, A-Z

Biography

429

Collective

429.2.A-Z

Individual, A-Z

e.g.

Mendel see QH31.M45

429.5

Directories

General works, treatises, and textbooks

430

General works

431

Human genetics (General)

Cf. HQ750+ Eugenics

Cf. RB155 Medical genetics

432

Animal genetics (General)

Cf. QH408 Animal variation

Cf. SF105+ Animal breeding

(433)

Plant genetics (General)

see QK981

434

Microbial genetics (General)

Cf. QR73 Variation

Genetics -- Continued

- 436 Pictorial works and atlases
- 437 Popular works
- 437.5 Juvenile works
- 438 Addresses, essays, lectures
- 438.4.A-Z Special aspects of the subject as a whole, A-Z
- 438.4.B55 Biochemical markers. Genetic markers
- Genetic markers see QH438.4.B55
- 438.4.M3 Mathematical models
- 438.4.M33 Mathematics
- 438.4.S73 Statistical methods
- 438.5 Heredity and environment. Nature and nurture
- 438.7 Social and moral aspects
- 439 Vocational guidance
- Study and teaching. Research
- 440 General works
- 440.2 Outlines, syllabi
- 440.3 Problems, exercises, examinations
- 440.4 Experiments
- 440.5 Laboratory manuals
- Laboratories
- 440.7 General works
- 440.8.A-Z By region or country, A-Z
- Subarrange each country by Table Q6
- 441 Technique
- 441.2 Data processing
- 441.5 Cytogenetics
 - Cf. QH600+ Chromosomes
 - Cf. QP620+ Nucleic acids
- Molecular genetics. Genetic engineering
 - Cf. QK981.5 Plant genetics
 - Cf. RB155 Medical genetics
 - Cf. TP248.6 Genetic engineering applications
- 442 General works
- 442.2 Cloning
- 442.3 Gene targeting
- 442.4 Gene libraries
- 442.6 Transgenic organisms. Transgenic animals
- Recombination mechanisms
- 443 General works
- 444 Segregation. Assortment
- Crossing over
- 445 General works
- Linkage and genetic mapping
- 445.2 General works
- 445.5 Sex linkage
- 445.7 Mosaicism

Genetics

Recombination mechanisms -- Continued

Genes. Alleles. Genome

Cf. QP98 Blood groups

447

General works

447.2

Dominance and recessiveness

447.5

Conversion

447.6

Polymorphisms

Lethal factors see QH463.5

447.8.A-Z

Individual genes, A-Z

447.8.A28

Actin genes

447.8.B46

Beta-glucuronidase genes

447.8.H65

Homeobox genes

Ir genes see QR184.4

Oncogenes see RC268.42

Recombination in microorganisms

448

General works

448.2

Conjugation

448.3

Transduction

448.4

Transformation

Genetic regulation. Gene expression

450

General works

450.2

Genetic code. Transcription

450.25

RNA editing

450.3

Gene amplification

450.5

Translation. Assembly

450.6

Post-translational modification of proteins

450.7

Epistasis

451

Cell fusion. Cell hybridization

452

Cytoplasmic inheritance

452.2

Microsatellites

Mobile genetic elements

Cf. QH462.148 Insertion elements, DNA

452.3

General works

452.5

Episomes

452.6

Plasmids

Cf. QR76.6 Bacterial plasmids

452.7

Quantitative genetics

452.8

In situ hybridization

453

Developmental genetics

455

Population genetics

Cf. GN289+ Physical anthropology

Cf. HB848+ Population (Economic theory)

456

Ecological genetics

Endocrine genetics see QP187.5

Evolutionary genetics see QH390

Immunogenetics see QR184+

Genetics -- Continued

457

Behavior genetics

Cf. BF341+ Heredity of consciousness

Cf. BF699+ Genetic psychology

Mutations

Cf. QH390 Mutation in evolution

460

General works

461

Genetic mutation. Polyploidy. Aneuploidy

Chromosomal mutation

462.A1

General works, treatises, and textbooks

462.A2-Z

By type, A-Z

462.B7

Breakage

462.D4

Deletion

462.D8

Duplication

462.G46

Gene fusion

462.I48

Insertion elements, DNA

462.I5

Inversion

462.N65

Nondisjunction

462.T7

Translocation

463

Gene mutation

463.2

Nonsense mutation

463.5

Lethal factors

464

Spontaneous mutation

Induced mutation. DNA damage

465.A1

General works, treatises, and textbooks

465.A2-Z

By agent, A-Z

465.C3

Caffeine

465.C5

Chemicals (General)

465.C6

Colchicine

465.D55

DNA. Polynucleotides

465.N4

Neutrons

465.O44

Oil shale extracts

Polynucleotides see QH465.D55

465.R3

Radiation (General)

465.U4

Ultraviolet rays

465.X2

X-rays

465.5

Site-specific mutagenesis

467

Genetic repair mechanisms

468

Antimutagens

470.A-Z

Experimental organisms, A-Z

Prefer classification by genetic aspect
studied

470.A85

Aspergillus

470.C6

Corprinus

470.C64

Corn

470.D7

Drosophila

470.E8

Escherichia

Genetics

Experimental organisms, A-Z -- Continued

Maize see QH470.C64

470.M52

Mice

470.N4

Neurospora

470.O35

Oenothera

470.S23

Saccharomyces cerevisiae

470.T6

Tobacco mosaic virus

470.T68

Tradescantia

470.T7

Trillium

Reproduction

Cf. QK825+ Plants

Cf. QP251+ Animals

471

General works, treatises, and textbooks

Asexual

Cf. QH442.2 Cloning (Genetic engineering)

475

General works, treatises, and textbooks

477

Fission

479

Budding

Sexual

481

General works, treatises, and textbooks

485

Fertilization

487

Parthenogenesis

489

Alternation of generations

491

Development. Morphogenesis

Including tissue remodeling

Cf. QK665 Plant embryology

Cf. QL951+ Animal embryology

499

Regeneration

Cf. QK840 Plant physiology

Cf. QP90.2 Animal physiology

Life

Cf. QK710+ Plants

Cf. QP1+ Animals

501

General works, treatises, and textbooks

Biochemistry see QH345

504

Biomagnetism

Cf. QP82.2.M3 Physiological effects of
magnetic fields

Cf. QP345 Human magnetic fields

505

Biophysics

506

Molecular biology

Cf. QP187.3.M64 Molecular endocrinology

Homeostasis see QP90.4

507

Information theory in biology

508

Biological control systems

Life -- Continued

- 509 Biological transport
Cf. QH615 Osmosis
- 509.5 Bioelectronics
- 510 Bioenergetics
- 510.5 Bioacoustics
- 511 Growth
- 512 Biomineralization
- 513 Biomechanics
Cf. QP303 Animal mechanics. Human mechanics
- 513.5 Fluid dynamics
- 514 Movement. Tropisms. Taxes
Including attachment mechanisms
- 515 Photobiology
Cf. QH641 Bioluminescence
Cf. QP517.P45 Photobiochemistry
- 516 Thermobiology
- 517 Electrophysiology
Cf. QP341 Animals
Cf. QP517.B53 Bioelectrochemistry
- 518 Respiration
- 518.5 Anaerobiosis
- 519 Nutrition
- 521 Metabolism
- 523 Dormancy
- 524 Cryptobiosis. Anhydrobiosis
- 527 Chronobiology. Periodicity. Biorhythms
Cf. QP84.6 Physiology
- 528 Degeneration
- 528.5 Longevity
Cf. QP85 Animals
- 529 Senescence. Aging
- 530 Death
Cf. QH671 Cell death
Cf. QP87 Animal death
- 530.5 Biodegradation
Cf. QP517.B5 Animals
Cf. QR135+ Microbial degradation
- 531 Miscellany and curiosa

Ecology

Class here works on general ecology and general animal ecology. For works on ecology of individual animals and groups of animals, see the animal

For human ecology see GF1+

For ecology of a particular topographic area see QH101+

For plant ecology see QK900+

Cf. BL65.E36 Ecology and religion

Cf. HX550.E25 Communism and ecology

Cf. QH546 Ecological genetics

540 Periodicals, societies, congresses, serial publications

540.3 Collected works (nonserial)

540.4 Dictionaries and encyclopedias

540.5 Philosophy

540.6 Nomenclature, terminology, notation, abbreviations

540.7 Classification

History

540.8 General works

540.83.A-Z By region or country, A-Z

Biography see QH26+

541 General works, treatises, and textbooks

541.13 Popular works

541.14 Juvenile works

541.142 Handbooks, tables, formulas, etc.

541.145 Addresses, essays, lectures

541.15.A-Z Special aspects of the subject as a whole, A-Z

541.15.A9 Autoradiographic techniques

541.15.B54 Biological assay

541.15.B56 Biological diversity

For local, see QH84.1+

For physiographic divisions see QH84.8+

Cf. QH75+ Biological diversity conservation

Cf. QH541.15.S64 Species diversity

Cf. QK46.5.D58 Plant diversity

541.15.B84 Buffer zones

541.15.C44 Chemical ecology

541.15.C55 Closed ecological systems

541.15.C67 Corridors

541.15.D6 Documentation

541.15.E19 Ecohydrology

541.15.E22 Ecological assessment (Biology)

541.15.E24 Ecological heterogeneity

541.15.E245 Ecological integrity

Ecology

Special aspects of the subject as a whole, A-Z

-- Continued

- 541.15.E25 Economic ecology
- 541.15.E26 Ecophysiology
Cf. QP82+ Animal ecophysiology
- 541.15.E265 Ecosystem health
- 541.15.E27 Ecotones
Including land-water ecotones
- 541.15.E45 Electronic data processing
- 541.15.F73 Fragmented landscapes
- 541.15.H34 Habitat suitability index models
Health, Ecosystem see QH541.15.E265
Heterogeneity, Ecological see QH541.15.E24
- 541.15.I5 Indicators (Biology)
Integrity, Ecological see QH541.15.E245
- 541.15.K48 Keystone species
- 541.15.L35 Landscape ecology
- 541.15.M23 Macroecology
- 541.15.M26 Mapping
- 541.15.M3 Mathematical models
Cf. QH541.15.H34 Habitat suitability index models
- 541.15.M34 Mathematics
- 541.15.M63 Molecular ecology
- 541.15.M64 Monitoring
- 541.15.N84 Null models
- 541.15.R34 Radioactive tracers
- 541.15.R4 Remote sensing
- 541.15.R45 Restoration ecology
For local see QH101+
For specific types of environments see QH541.5.A+
- 541.15.R57 Risk assessment
- 541.15.S5 Simulation methods
- 541.15.S62 Spatial ecology
- 541.15.S64 Species diversity
- 541.15.S68 Stable isotopes
- 541.15.S72 Statistical methods
- 541.15.S95 Surveys
Including general habitat surveys
- 541.15.T68 Toxicity testing
- Communication in ecology
- 541.18 General works
- 541.183 Information services
- 541.185 Computer network resources
Including the Internet

Ecology -- Continued

Study and teaching. Research

- 541.2 General works
- 541.215 Outlines, syllabi
- Special teaching methods and aids
 - 541.22 General works
 - 541.23 Audiovisual aids
 - 541.235.A-Z Other methods, A-Z
 - 541.235.G34 Games
 - 541.24 Experiments
 - 541.25 Laboratory manuals
- By region or country
 - United States
 - 541.26 General works
 - 541.262.A-Z By region or state, A-Z
 - 541.264.A-Z Other regions or countries, A-Z
- Ecological laboratories and stations
 - 541.27 General works
 - 541.273.A-Z By region or country, A-Z
- 541.28 Technique
- 541.29 Applied ecology
 - Cf. QH541.15.M64 Monitoring
 - Cf. QH541.15.R45 Restoration ecology
- 541.3 Biological productivity
 - Cf. QK909.5 Vegetation productivity
- 541.5.A-Z By type of environment, A-Z
 - For local see QH101+
 - Abyssal zone see QH541.5.D35
 - Antarctica see QH84.2
 - Aquatic see QH541.5.W3
 - Arctic regions see QH84.1
 - 541.5.A74 Arid regions
 - 541.5.B63 Bogs
 - Brackish waters see QH541.5.E8
 - 541.5.C24 Canals
 - 541.5.C3 Caves
 - Cerrados see QH541.5.P7
 - 541.5.C5 Chaparral
 - 541.5.C6 Cities. Urban ecology
 - 541.5.C62 Cliffs
 - 541.5.C63 Cloud forests
 - 541.5.C65 Coasts
 - 541.5.C7 Coral reefs and islands. Reefs
 - 541.5.C73 Coulees
 - 541.5.C95 Cypress swamps
 - 541.5.D35 Deep-sea zone. Abyssal zone
 - Including hydrothermal vents

Ecology

By type of environment, A-Z -- Continued

- 541.5.D4 Deserts
- 541.5.E8 Estuaries. Brackish waters
- 541.5.F56 Fjords
- 541.5.F6 Floodplains see QH541.5.V3
- 541.5.F6 Forests
Including forest canopy ecology and old
growth forest ecology
Cf. QH541.5.C63 Cloud forests
Cf. QH541.5.R27 Rain forests
Cf. SD416+ Forest influences
Cf. SD418+ Deforestation
- 541.5.F7 Freshwater
- 541.5.G37 Gardens
- 541.5.G76 Grasslands see QH541.5.P7
- 541.5.H43 Groundwater
- 541.5.H43 Heathlands
- 541.5.H65 Hot springs
Cf. QH541.5.D35 Hydrothermal vents
Cf. QR107 Microbial ecology
- 541.5.H67 Household ecology
- 541.5.I8 Intertidal zones see QH541.5.S35
- 541.5.I8 Islands
- 541.5.J8 Jungle
- 541.5.K4 Kelp beds
- 541.5.L27 Lagoons
- 541.5.L3 Lakes
Cf. QH541.5.S22 Salt lakes
- 541.5.L53 Llanos
- 541.5.M27 Mangrove swamps
- 541.5.M3 Marine ecology see QH541.5.S3
- 541.5.M4 Marshes. Wetlands
- 541.5.M4 Meadows
- 541.5.M44 Mediterranean-type
Cf. QH150 Mediterranean Region
- 541.5.M6 Moors
- 541.5.M65 Mountains
- 541.5.O25 Ocean currents
- 541.5.P6 Oceans see QH541.5.S3
- 541.5.P63 Polar regions
- 541.5.P7 Ponds
- 541.5.P7 Prairies. Grasslands. Savannas. Cerrados.
Steppes
- 541.5.R27 Rain forests
- 541.5.R3 Rangelands
- 541.5.R3 Reefs see QH541.5.C7

Ecology

By type of environment, A-Z -- Continued

- 541.5.R4 Reservoirs
- 541.5.R52 Riparian areas
- 541.5.R62 Rivers see QH541.5.S7
- 541.5.S22 Roadside
- 541.5.S24 Salt lakes
- 541.5.S26 Salt marshes. Tide marshes
- 541.5.S3 Sand dunes
- 541.5.S3 Savannas see QH541.5.P7
- 541.5.S35 Sea. Marine ecology. Ocean ecology
Cf. QH541.5.D35 Deep-sea zone
- 541.5.S35 Seashore. Tidal pools
Including intertidal zones
- 541.5.S55 Shrublands
- 541.5.S57 Snow ecology
- 541.5.S6 Soil
- 541.5.S65 Springs
Cf. QH541.5.H65 Hot springs
- 541.5.S7 Streams
Cf. QH541.5.C73 Coulees
- 541.5.S87 Sublittoral
- 541.5.S9 Swamps
Cf. QH541.5.C95 Cypress swamps
Cf. QH541.5.M27 Mangrove swamps
- 541.5.T3 Taigas
- 541.5.T7 Tidal pools see QH541.5.S35
- 541.5.T8 Tide marshes see QH541.5.S24
- 541.5.U55 Tropics
- 541.5.U64 Tundras
- 541.5.U64 Underground ecology
- 541.5.V27 Uplands
Cf. QH541.5.M65 Mountains
- 541.5.V3 Urban ecology see QH541.5.C6
- 541.5.V3 Vacant lots
- 541.5.W3 Valleys. Floodplains
Cf. QH541.5.C73 Coulees
- 541.5.X45 Water. Aquatic ecology
- (542) Water, Fresh see QH541.5.F7
- 542.5 Wetlands see QH541.5.M3
- Xeric ecology
- Paleoecology
see QE720
- Geobiology see QH343.4
- Biogeomorphology

Ecology -- Continued

- Bioclimatology. Microclimatology
 - Cf. QH545.T4 Temperature as a factor in ecology
- 543 General works
- 543.2 Acclimatization
 - Cf. QK913 Plant acclimatization
- 543.3 Dispersal of organisms by environmental factors
- Radioecology. Radiobiology
 - Cf. QH328 Space radiobiology
 - Cf. QH545.N8 Nuclear power plants, nuclear reactors
 - Cf. QH545.N83 Nuclear warfare
 - Cf. QH652+ Radiation effects on cells
- 543.5.A1 Periodicals, congresses
- 543.5.A2 Collected works (nonserial)
- 543.5.A3-Z General works, treatises, and textbooks
- Aquatic radioecology
 - 543.58 General works
 - 543.6 Marine radioecology
 - 543.8 Brackish water radioecology. Estuarine radioecology
 - 543.9 Freshwater radioecology
- 543.95 Ultraviolet radiation
- 544 Phenology
- Influence of special factors in the environment
 - For works on the technical aspects (e.g., control, measurement, etc.) of pollution in general and of special kinds of pollution see TD172+
 - Cf. GF51 Human ecology
 - Cf. QK746+ Plants
 - Cf. QP82+ Animals
 - Cf. RA565+ Environmental health
- 545.A1 General works, treatises, and textbooks
- 545.A15-Z Special, A-Z
 - 545.A17 Acid precipitation see QH545.A17
 - Acid rain. Acid precipitation. Acid deposition
 - 545.A2 Acids
 - 545.A23 Actinide elements
 - 545.A25 Agricultural chemicals
 - 545.A3 Air pollution
 - 545.A4 Aldrin
 - 545.A43 All terrain vehicles
 - 545.A45 Ammonia
 - 545.A77 Arsenic

Ecology

Influence of special factors in the environment

Special, A-Z -- Continued

Atomic warfare see QH545.N83

545.B45

Benzene

545.B47

Beryllium

545.B55

Biological pest control agents

545.B6

Boron

Brines, Oil field see QH545.O47

545.C3

Cadmium

545.C34

Campfires

545.C35

Canals

545.C37

Carbon isotopes

545.C47

Chemical elements

545.C48

Chemical warfare. Chemical weapons

545.C5

Chloroform

545.C54

Chromium

545.C57

Coal-fired power plants

545.C59

Contaminated sediments

545.C6

Copper

545.C64

Coral fisheries

545.D35

Dams. Reservoirs

545.D4

Deicing chemicals

Desalination plants see QH545.S33

545.D5

Dichloromethane

545.D55

Dioxins

Cf. QH545.T44 Tetrachlorodibenzodioxin

545.D57

Diquat

545.D7

Dredging

545.D72

Dredging spoil

545.D74

Drilling muds

545.D75

Drilling platforms

545.E38

Electric power plants

545.E4

Electromagnetic waves

545.E42

ELF electromagnetic fields

Energy development see QH545.E53

545.E53

Energy industries. Energy development

Erosion, Soil see QH545.S64

545.F47

Fertilizers

545.F5

Fire. Fire ecology

545.F52

Fish culture

545.F53

Fisheries

545.F55

Flood control

Flood dams see QH545.D35

545.F67

Forest management

545.G37

Gas pipelines

545.G46

Geothermal power plants

QH

Ecology

Influence of special factors in the environment

Special, A-Z

- 545.G55 Glyphosate
- 545.H34 Hang gliding
- 545.H42 Heavy metals
- 545.H47 Herbicides
- 545.H49 Hexazinone
- 545.H54 Hiking
- 545.H92 Hydrocarbons
 - Including polycyclic aromatic hydrocarbons
- 545.H93 Hydroelectric power plants
- Insecticides see QH545.P4
- Land reclamation see QH545.R38
- 545.L4 Lead
- 545.M3 Manganese
- 545.M34 Mariculture
- Marine pollution see QH545.W3
- 545.M4 Mercury
- 545.M45 Metals
- Metals, Heavy see QH545.H42
- 545.M52 Mineral industries
- 545.M6 Molybdenum
- Muds, Drilling see QH545.D74
- 545.M86 Munitions
 - Cf. QH545.C48 Chemical weapons
- 545.N3 Natural disasters
- 545.N47 Nickel
- 545.N5 Nitrogen
- 545.N8 Nuclear power plants. Nuclear reactors
- 545.N83 Nuclear warfare
- 545.O33 Ocean outfalls
- Off-road vehicles see QH545.A43
- 545.O38 Offshore oil industry
 - Cf. QH545.D75 Drilling platforms
- 545.O47 Oil field brines
- 545.O5 Oil pollution
 - Cf. QH91.8.O4 Marine biology
- 545.O54 Oil sands extraction plants
- 545.O56 Oil shales
- 545.O57 Oil well drilling
- 545.O72 Organochlorine compounds
- 545.O74 Organometallic compounds
- 545.O76 Organophosphorus compounds
- 545.O87 Outdoor recreation
- 545.O94 Ozone
- 545.P37 Pentachlorophenol

Ecology

Influence of special factors in the environment

Special, A-Z -- Continued

- 545.P39 Persistent pollutants
- 545.P4 Pesticides
Including insecticides
- 545.P5 Phosphorus
- Pipelines, Gas see QH545.G37
- Pollution (General) see QH545.A1
- Pollution, Air see QH545.A3
- Pollution, Marine see QH545.W3
- Pollution, Oil see QH545.O5
- Pollution, Thermal see QH545.T48
- Pollution, Water see QH545.W3
- 545.P6 Polychlorinated biphenyls
- Polycyclic aromatic hydrocarbons see QH545.H92
- Power plants, Coal-fired see QH545.C57
- Power plants, Electric see QH545.E38
- Power plants, Geothermal see QH545.G46
- Power plants, Hydroelectric see QH545.H93
- 545.P73 Predator control
- Radiation see QH543.5+
- 545.R38 Reclamation of land
- 545.R42 Recreation areas
- 545.R44 Reforestation
- Reservoirs see QH545.D35
- 545.R58 River regulation
- 545.R62 Roads
- 545.S33 Saline water conversion plants. Desalination
plants
- 545.S35 Saltwater encroachment
- 545.S37 Sand and gravel industry
- 545.S4 Scuba diving
- Sediments, Contaminated see QH545.C59
- 545.S45 Selenium
- 545.S49 Sewage
- 545.S493 Sewage sludge
- 545.S498 Shore protection
- 545.S5 Shotgun pellets
- 545.S55 Silver
- Sludge, Sewage see QH545.S493
- 545.S6 Snowmobiles
- 545.S63 Soil amendments
- 545.S64 Soil erosion
- 545.S8 Stream channelization
- 545.S84 Strip mining
- 545.S9 Sulphur

Ecology

- Influence of special factors in the environment
- Special, A-Z -- Continued
- 545.S92 Sulphur compounds
- 545.T37 Technetium
- 545.T4 Temperature
- 545.T44 Tetrachlorodibenzodioxin
- 545.T45 Textile industry
- 545.T48 Thermal pollution
- 545.T55 Tin compounds
- 545.T7 Trace elements
- 545.T74 Transuranium elements
- 545.T75 Triclopyr
- 545.T76 Tritium
- 545.T87 Turbidity
- 545.U7 Uranium mining
- 545.V3 Vanadium
- Vehicles, All terrain see QH545.A43
- 545.W26 War
 - Cf. QH545.N83 Nuclear warfare
- 545.W28 Waste disposal
- 545.W3 Water pollution
 - Including marine pollution
 - Cf. QH90.8.T68 Aquatic toxicology
- 545.W33 Water resources development
- Waterpower electric plants see QH545.H93
- 545.X44 Xenobiotics
- 545.Z56 Zinc
- 546 Adaptation
 - Including protective mechanisms, mimicry
 - Cf. QK912+ Plant adaptation
 - Cf. QH543.2 Acclimatization
- 546.3 Competition. Niche
- 547 Parasitism
- Symbiosis
- 548 General works
- 548.3 Mutualism
- 549 Colonies
- 549.5 Animal-plant relationships
- (555) Degeneration
 - see QH528
- (558) Aging
 - see QH529
- (559) Death
 - see QH530

Cytology

Class here general and experimental works in cytology.

For works on the cytology of particular animals written to elucidate the total organism, see the systematic divisions in QL

Cf. QH441.5 Cytogenetics

Cf. QK671 Plant cell anatomy

Cf. QK725 Plant cell physiology

- 573 Periodicals, societies, congresses, serial publications
- 574 Collected works (nonserial)
- 575 Dictionaries and encyclopedias
- History
- 577 General works
- 578.A-Z By region or country, A-Z
- General works, treatises, and textbooks
- 581 Through 1969
- 581.2 1970-
- 581.5 Addresses, essays, lectures
- 582 Pictorial works and atlases
- 582.4 Popular works
- 582.5 Juvenile works
- Study and teaching. Research
- 583 General works
- 583.2 Laboratory manuals
- Technique
- Cf. TP248.27.A53 Animal cell biotechnology
- 585 General works
- Cell culture
- 585.2 General works
- 585.3 Serum-free culture media
- Cell lines
- 585.4 General works
- 585.45 Continuous cell lines
- 585.457 Lymphoblastoid cell lines
- 585.5.A-Z Special techniques, A-Z
- 585.5.C43 Cell fractionation
- 585.5.C44 Cell separation
- 585.5.C64 Colony-forming units assay
- 585.5.C98 Cytofluorometry
- 585.5.C984 Cytophotometry
- 585.5.D38 Data processing
- 585.5.E43 Electrodes, Ion selective
- 585.5.E46 Electrophoresis
- 585.5.E48 Electroporation
- 585.5.F56 Flow cytometry

Cytology

Technique

Special techniques, A-Z -- Continued

- 585.5.I45 Immobilization of cells
- 585.5.L37 Lasers
- 585.5.M52 Micropipette techniques
- 585.5.M53 Microspectrophotometry
- 585.5.N82 Nuclear magnetic resonance spectroscopy
- (585.5.S45) Serum-free culture
 see QH585.3
- 585.5.S83 Subcellular fractionation

- Cell populations
- 587 General works
- 588.A-Z Individual types of cells, A-Z
- 588.S83 Stem cells
- 591 Protoplasm. Cytoplasm
- 595 Nucleus
- 596 Nucleolus
- 597 Centrosome. Centriole
- 599 Chromatin
- Chromosomes
- Cf. QH462.A1+ Chromosomal mutation
- 600 General works
- 600.15 Artificial chromosomes
- 600.2 Centromere
- 600.3 Telomere
- 600.5 Sex chromosomes
- 600.6 Giant chromosomes. Lampbrush chromosomes
- Cell membranes
- 601 General works
- 601.2 Nuclear membranes
- 602 Lipid membranes. Bilayer lipid membranes.
 Liposomes
- 603.A-Z Other special, A-Z
- 603.C4 Cell junctions
- 603.C43 Cell receptors
- 603.C63 Coated vesicles
- 603.C95 Cytoplasmic filaments
- 603.C96 Cytoskeleton
- 603.E6 Endoplasmic reticulum
- 603.E93 Extracellular space
- 603.G6 Golgi apparatus
- 603.I49 Inclusion bodies
- 603.I54 Ion channels
- 603.L9 Lysosomes
- 603.M35 Microbodies
- 603.M4 Microsomes

Cytology

Other special, A-Z -- Continued

- 603.M44 Microtubules
 603.M5 Mitochondria
 603.N83 Nuclear matrix
 603.P47 Peroxisomes
 603.R5 Ribosomes
 603.S27 Sarcoplasmic reticulum
- Control mechanisms. Cell regulation
 Cf. QP187.3.C44 Endocrinology
- 604 General works
 604.2 Cell interaction
 Cf. QP517.C45 Cellular signal transduction
- 604.3 Cell compartmentation
 604.5 Ion exchange
 604.7 Cell growth. Cell proliferation
- Cell division
 605 General works
 605.2 Mitosis
 605.3 Meiosis
- 607 Cell differentiation
 Cf. QL963.5 Embryology
- 608 Aging of cells
 Cf. QH671 Pathology and death
- 609 Cellular repair mechanisms
 Physical and chemical properties
 Cf. QH506 Molecular biology
- 611 General works
 613 Histochemistry
 615 Osmosis
 621 Turgescence
 622 Adsorption
 623 Adhesion
- Physiological properties
 631 General works
 633 Respiration
 634 Ingestion. Pinocytosis, etc.
 634.2 Exocytosis
 634.5 Metabolism
 635 Heat production. Energy
 641 Light production. Bioluminescence
 Cf. QP517.C54 Chemiluminescence
- 642 Optical properties
 643 Radiation properties
 645 Electric properties
 645.5 Mechanical properties
 646 Contraction

Cytology

Physiological properties -- Continued

647

Motility. Irritability

Effect of physical and chemical agents on cells

Cf. QK746+ Plant physiology

Cf. QP82+ Animal physiology

650

General works

651

Light

Cf. QH515 Photobiology

Radiation

For the effect of radiation on specific

organs, organisms, etc., see the specific

organ, etc., e.g. QP356.5, Nervous system

Cf. QP82.2.R3 Radiation (Physiology)

652.A1

Periodicals, societies, congresses, serial
publications

652.A2

Collected works (nonserial)

652.A3-Z

General works, treatises, and textbooks

652.4

Ultraviolet radiation

(652.5)

Radiogenetics

see QH465.R3

652.7

Acoustic radiation

653

Temperature

655

Electricity

656

Magnetic fields

657

Gravity

658

Pressure

659

Chemicals

671

Pathology and death

Cf. QH608 Aging of cells

Economic biology

Cf. S494.5.E25 Agriculture

Cf. SB107+ Economic botany

Cf. SF84+ Economic zoology

705

General works

705.5.A-Z

By region or country, A-Z

Botany

- 1 Periodicals, societies, congresses, serial publications
- 3 Collected works (nonserial)
- 5 Voyages and expeditions
- 7 Encyclopedias
- 9 Dictionaries
- Communication of information
- 9.2 General works
- 9.3 Information services
- 9.4 Computer network resources
Including the Internet
- 10 Terminology, notation, abbreviations
Cf. QK96 Nomenclature
- 11 Indexes of plants
- 13 Popular names
- 14.5 Botanical literature
Including works on herbals
- History
- 15 General works
- 21.A-Z By region or country, A-Z
- Biography
- 26 Collective
- 31.A-Z Individual, A-Z
e. g.
- 31.G8 Gray
- 31.T7 Torrey
- 35 Directories
- General works and treatises
Cf. QK91 Works of Linnaeus (Botany only)
- 41 Early through 1753
- 45 1754-1969
- 45.2 1970-
- 46 Special aspects of the subject as a whole
- 46.5.A-Z Special topics, A-Z
- 46.5.A47 Aerial photography
- 46.5.B66 Botanizers
- Botany for gardeners see QK50
- 46.5.D58 Diversity, Plant (General)
Including centers of plant diversity
For plant diversity conservation see QK86+
For local see QK102+
- 46.5.E4 Electronic data processing
- 46.5.H85 Human-plant relationships
- 46.5.M3 Mathematical models
- 46.5.S7 Statistical methods

- Special topics, A-Z -- Continued
- 46.5.V44 Vegetation monitoring
For local see QK108+
- 47 Textbooks
- 48 Handbooks, tables, formulas, etc.
- 49 Juvenile works
- 50 Popular works
For plants of individual regions or countries
see QK108+
- 50.5 Botany as a profession. Vocational guidance
Study and teaching. Research
- 51 General works
- 51.2.A-Z By region or country, A-Z
Each region or country subarranged by author
- 52 Outlines, syllabi
- 52.5 Problems, exercises, examinations
- 52.55 Activity programs
- 52.6 Experiments
- 53 Laboratory manuals
Cf. QK673 Anatomy and histology
- Audiovisual aids
- 54 General works
- 55 Charts
- 57 Plant analysis blanks
- 61 Collection and preservation
- 61.4 Plant prints
- 62 Vegetation surveys
- 63 Vegetation mapping
- Botanical gardens
Class here descriptions, catalogs, and
administrative reports only. Class other
serial publications in QK1
Cf. QK479+ Arboretums
- 71 General works
- 73.A-Z By region or country, A-Z
Under each country:
.x *General works*
.x2A-.x2Z *Individual. By name, A-Z*
- Herbariums
Class here descriptions, catalogs, and
administrative reports only. Class other
serial publications in QK1
- 75 General works
- 76.A-Z By region or country, A-Z
- 77.A-Z Individual. By name, A-Z

- Laboratories
 Class here descriptions, catalogs, and administrative reports only. Class other serial publications in QK1
- 78
 78.5.A-Z
 General works
 By region or country, A-Z
 Subarrange each country by Table Q6
- Museums. Exhibitions
 Class here descriptions, catalogs, and administrative reports only. Class other serial publications in QK1
- 79
 79.5.A-Z
 General works
 By region or country, A-Z
 Subarrange each country by Table Q5
- 81
 83
 Addresses, essays, lectures
 Plant lore
 Cf. GR780+ Folklore
- National plants. Official plants
 Including state, provincial, etc. plants
- 84.8
 85
 85.3.A-Z
 85.5
 General works
 By region or country
 United States
 Other regions or countries, A-Z
- Wild flowers
 Prefer classification by area
- Plant conservation. Rare plants. Endangered plants
 Including plant diversity conservation and remnant vegetation conservation and management
- 86.A1
 86.A5-Z
 86.4
 86.5
 General works
 By region or country, A-Z
 Plant reintroduction
 Applied ethnobotany
- Relict plants
 86.7
 86.73.A-Z
 87
 89
 General works
 By region or country, A-Z
 Miscellany and curiosa
 Pressed plants with text. Bound herbaria
- Classification
 91
 92
 Works of Linnaeus (Botany only)
 Linnaean system (Minor works)
 Natural systems
 Not to be used for systems developed after Darwin
- 93
 94
 General works, treatises, and textbooks
 Minor works

Classification -- Continued

Systematics and taxonomy. Philosophy and methodology

95

General works

95.4

Chemotaxonomy

For geographic treatment see QK108+

For systematic treatment see QK494.5.A+

95.6

Molecular aspects

96

Nomenclature

97

Comprehensive systematic works

97.5

Identification

For geographic treatment see QK108+

98

Pictorial works and atlases (of plants)

Prefer classification by area

Atlases of botanical maps are classed in class G

Botanical illustration and artists

Cf. QK98 Pictorial works

History

98.15

General works

98.16.A-Z

By region or country, A-Z

Biography

98.18

Collective

98.183.A-Z

Individual, A-Z

Including collections of their illustrations

98.2

General works

98.24

Technique

98.3

Catalogs

98.4

Useful plants

98.4.A1

General works, treatises, and textbooks

98.4.A5-Z

By region or country, A-Z

Economic botany see SB107+

Edible plants

Including edible wild plants

Cf. SB175+ Food crops

98.5.A1

General works, treatises, and textbooks

98.5.A5-Z

By region or country, A-Z

Dye plants (General)

Cf. SB285+ Culture

98.7.A1

General works, treatises, and textbooks

98.7.A5-Z

By region or country, A-Z

Medical botany (General)

Cf. RS164 Drugs of the vegetable kingdom

Cf. SB293 Culture

99.A1

General works, treatises, and textbooks

99.A5-Z

By region or country, A-Z

Poisonous plants

Cf. SB617+ Poisonous plants as pests

- Poisonous plants -- Continued
- 100.A1 General works, treatises, and textbooks
- 100.A5-Z By region or country, A-Z
- Geographical distribution. Phytogeography
- 101 General works, treatises, and textbooks
- Aquatic flora (General)
- For geographic treatment see QK108+
- Cf. QK564+ Algae
- 102 General works
- 103 Marine flora (General)
- 105 Freshwater flora (General)
- Topographical divisions
- 108 Special parts of the world
- Including British Empire
- America
- 109 General works
- North America
- 110 General works
- 112 Illustrations of North American flora
- United States
- Including East (U.S.)
- 115 General works
- By region
- Northeast
- 117 General works
- 118 Popular handbooks
- 121 New England
- Atlantic States. Atlantic Coast
- 122 General works
- 122.3 Appalachian Mountains
- 122.5 Middle Atlantic States
- 122.8 Chesapeake Bay
- 122.85 Potomac River
- Southern States
- 124 General works
- Southeast
- 125 General works
- 125.35 Blue Ridge Mountains
- 125.4 Great Smoky Mountains
- 125.8 Gulf States
- 128 Middle West
- 130 Great Lakes
- West (U.S.)
- 133 General works
- 134 Ozark Mountains
- 135 Great Plains
- 139 Rocky Mountains Region

Geographical distribution. Phytogeography

Topographical divisions

America

North America

United States

By region

West (U.S.) -- Continued

141

Great Basin

Southwest

142

General works

142.2

Chihuahuan Desert

142.4

Sonoran desert

142.7

Sierra Nevada

143

Pacific coast

Northwest

144

General works

144.2

Columbia Basin

By state

145

Alabama

146

Alaska

147

Arizona

148

Arkansas

149

California

150

Colorado

151

Connecticut

152

Delaware

153

District of Columbia

154

Florida

155

Georgia

Hawaii see QK473.H4

156

Idaho

157

Illinois

159

Indiana

160

Iowa

161

Kansas

162

Kentucky

163

Louisiana

164

Maine

165

Maryland

166

Massachusetts

167

Michigan

168

Minnesota

169

Mississippi

170

Missouri

171

Montana

172

Nebraska

173

Nevada

Geographical distribution. Phytogeography
 Topographical divisions

America

North America

United States

By state -- Continued

- 174 New Hampshire
- 175 New Jersey
- 176 New Mexico
- 177 New York
- 178 North Carolina
- 179 North Dakota
- 180 Ohio
- 181 Oklahoma
- 182 Oregon
- 183 Pennsylvania
- 184 Rhode Island
- 185 South Carolina
- 186 South Dakota
- 187 Tennessee
- 188 Texas
- 189 Utah
- 190 Vermont
- 191 Virginia
- 192 Washington
- 193 West Virginia
- 194 Wisconsin
- 195 Wyoming. Yellowstone Park

Canada

- 201 General works
- 203.A-Z By region or province, A-Z
 - For regions that include both the
 United States and Canada see QK115+

Latin America

- 205 General works
- 211 Mexico
- Central America
 - 215 General works
 - 216 Belize
 - 217 Costa Rica
 - 218 Guatemala
 - 219 Honduras
 - 220 Nicaragua
 - 221 Panama
 - 222 El Salvador
- West Indies. Caribbean area
 - 225 General works

Geographical distribution. Phytogeography

Topographical divisions

America

Latin America

West Indies. Caribbean area -- Continued

226

Bahamas

227

Cuba

Hispaniola

227.7

General works

227.8

Dominican Republic

228

Haiti

229

Jamaica

230

Puerto Rico

231.A-Z

Other, A-Z

231.A48

Antigua and Barbuda

231.A5

Antilles, Lesser

231.A78

Aruba

231.B3

Barbados

231.C35

Cayman Islands

231.C87

Curaçao

231.D59

Dominica

Dominican Republic see QK227.8

231.G73

Grenada

231.G8

Guadeloupe

231.M35

Martinique

231.N4

Netherlands Antilles

231.S3

Saint Bartholomew

231.S33

Saint Kitts and Nevis

231.S34

Saint Lucia

231.S35

Saint Martin

231.S38

Saint Vincent and the Grenadines

231.T75

Trinidad and Tobago

231.T87

Turks and Caicos Islands

231.V5

Virgin Islands

232

Bermuda

South America

241

General works

261

Argentina

262

Bolivia

263

Brazil

264

Chile

265

Colombia

266

Ecuador

Galapagos see QK473.G2

Guiana

266.8

General works

267

Guyana (British Guiana)

Geographical distribution. Phytogeography

Topographical divisions

America

Latin America

South America

Guiana -- Continued

268 Suriname (Dutch Guiana)

269 French Guiana

270 Paraguay

271 Peru

272 Uruguay

273 Venezuela

274 Falkland Islands

Atlantic Ocean Islands

General works

275.A1

275.A3-Z By island or group of islands, A-Z

275.A9 Azores

Bermuda see QK232

Canary Islands see QK422

275.C4 Cape Verde

Falkland Islands see QK274

275.F37 Faroe Islands

275.M3 Madeira

275.S27 Saint Helena

275.S3 Salvages Islands

275.S68 South Orkney Islands

275.T74 Tristan da Cunha Island

Europe

General works

281

Zone and physiographic divisions

Alpine

297

Other, A-Z

303.A-Z

By region or country

British Isles. Great Britain. England

General works

306

Ireland

307

Northern Ireland

307.5

Scotland

308

Wales

309

Austria

310

Hungary

311

France

313

Monaco

313.5

Germany

314

Including East and West Germany

East Germany

(314.2)

see QK314

Geographical distribution. Phytogeography

Topographical divisions

Europe

By region or country -- Continued

- 314.5 Mediterranean Region
Including African coast
- 315 Greece
- 316 Italy
- 316.5 Malta
- 317 Benelux (Low Countries)
- 318 Belgium
- 319 Luxembourg
- 320 Netherlands (Holland)
- 321 Russia. Soviet Union. Russia (Federation)
Cf. QK372+ Former Soviet areas of Asia
Cf. QK375+ Russia (Federation) in Asia
- 321.5 Belarus
- 321.6 Moldova
- 321.7 Ukraine
- 322 Poland
- 323 Finland
- 324 Scandinavia (General)
Including Lapland
- 325 Denmark
- 325.5 Iceland
- 326 Norway
- 327 Sweden
- Iberian Peninsula
- 328 General works
- 329 Spain
- 329.2 Gibraltar
- 330 Portugal
- 331 Switzerland
- Balkan Peninsula
- Including Turkey in Europe
- 332 General works
- 332.5 Bosnia and Hercegovina
- 333 Bulgaria
- 334 Croatia
- 334.5 Macedonia (Republic)
- 335 Romania
- Serbia see QK336
- 335.5 Slovenia
- 336 Yugoslavia
Including Montenegro and Serbia
- 339.A-Z Other European regions, islands, or
countries, A-Z

Geographical distribution. Phytogeography
Topographical divisions

Europe

By region or country

Other European regions, islands, or
countries, A-Z -- Continued

- 339.A5 Albania
Alps see QK297
339.A54 Andorra
339.B34 Baltic States
339.C35 Carpathian Mountains
339.C45 Central Europe
339.C5 Channel Islands
339.C65 Constance, Lake of
339.C8 Czechoslovakia. Czech Republic
339.E37 Eastern Europe
339.E8 Estonia
339.J85 Jura Mountains (France and Switzerland)
339.L3 Latvia
339.L46 Liechtenstein
339.L5 Lithuania
Mediterranean Region see QK314.5
339.N67 Northern Europe
339.P95 Pyrenees (France and Spain)
339.S55 Slovakia
Yugoslavia see QK336

Asia

- 341 General works
352 Afghanistan
Arabian Peninsula
353 General works
353.2 Bahrain
353.3 Kuwait
353.4 Oman
353.5 Qatar
353.6 Saudi Arabia
353.7 United Arab Emirates
353.8 Yemen
354 Baluchistan
Cf. QK358.5 Baluchistan in Pakistan
China
355 General works
355.5 Hong Kong
355.6 Macao
356 Taiwan
357 Mongolia
South Asia. British Indian Empire

Geographical distribution. Phytogeography

Topographical divisions

Asia

South Asia. British Indian Empire --

Continued

357.5

General works

358

India

358.5

Pakistan

Including Baluchistan (Province)

358.7

Bangladesh

359

Sri Lanka

359.5

Nepal

359.6

Bhutan

Southeastern Asia

For Malay Peninsula see QK365

360

General works

360.5

Burma

361

Cambodia. Laos. Vietnam. French Indonesia

364

Thailand

365

Malaysia

Including Malay Peninsula and Singapore

For Sabah and Sarawak see QK367

Malay Archipelago

365.5

General works

366

New Guinea

Including Papua (Indonesia) and Papua

New Guinea

367

Indonesia

Including Borneo

For Papua see QK366

Brunei see QK367

368

Philippines

Japan

For Karafuto see QK375.2

369

General works

369.3

Ryukyu Islands

Including Okinawa-ken

370

Korea

371

Iran

Former Soviet areas of Asia

Cf. QK377 Caucasus

372

General works

Central Asia

374

General works

374.3

Kazakhstan

374.4

Kyrgyzstan

374.5

Tajikistan

Geographical distribution. Phytogeography
Topographical divisions

Asia

Former Soviet areas of Asia

Central Asia -- Continued

374.6

Turkmenistan

374.7

Uzbekistan

Russia (Federation) in Asia. Siberia.

Russian Far East

375

General works

375.2

Sakhalin

376

Asia Minor

Including Turkey in Asia

377

Caucasus

Including Armenia, Azerbaijan, Georgia
(Republic)

377.3

Cyprus

377.5

Syria

377.7

Lebanon

378

Israel. Palestine

378.5

Jordan

379

Iraq

Bahrain see QK353.2

Kuwait see QK353.3

Oman see QK353.4

Qatar see QK353.5

Saudi Arabia see QK353.6

United Arab Emirates see QK353.7

Yemen see QK353.8

379.5.A-Z

Other Asian regions or countries, A-Z

379.5.E38

East Asia

379.5.H55

Himalaya Mountains

379.5.M53

Middle East

379.5.P47

Persian Gulf

380

Arab countries

Africa

381

General works

By region or country

390

North Africa

391

Tropical Africa

Eastern Africa

Cf. QK401 East Africa

392

General works

392.4

Northeast Africa

393

West Africa

393.5

Central Africa

Cf. QK400 Former British Central Africa

Geographical distribution. Phytogeography

Topographical divisions

Africa

By region or country -- Continued

- 394 Southern Africa
 395 Ethiopia. Eritrea
 Former British possessions
 395.8 General works
 396 South Africa
 400 Central Africa (General)
 401 East Africa (General)
 402.A-Z Other special, A-Z
 402.B6 Botswana
 402.G3 Gambia
 402.G5 Ghana
 402.K4 Kenya
 402.L48 Lesotho
 402.M28 Malawi
 Mauritius see QK429.M3
 402.N34 Namibia
 402.N5 Nigeria
 402.R5 Rhodesia, Southern. Zimbabwe
 402.S5 Sierra Leone
 Somalia see QK415
 402.S8 Swaziland
 402.U2 Uganda
 402.Z3 Zambia
 Zimbabwe see QK402.R5
 Mediterranean Region (General) see QK314.5
 403 Egypt
 404 Sudan
 Former French possessions
 405 Algeria
 406 Tunisia
 407 Madagascar
 408 Senegal. Senegambia
 409 Sahara
 410.A-Z Other special, A-Z
 410.B45 Benin
 410.B85 Burkina Faso
 Cameroon see QK412
 410.C4 Central African Republic
 410.C5 Chad
 (410.D3) Dahomey
 see QK410.B45
 410.D55 Djibouti
 410.G3 Gabon

Geographical distribution. Phytogeography

Topographical divisions

Africa

By region or country

Former French possessions

Other special, A-Z -- Continued

410.G84

Guinea

410.I8

Ivory Coast. Côte d'Ivoire

410.M38

Mauritania

Réunion see QK429.M27

410.T64

Togo

Former German possessions

411

Tanzania

411.5

Rwanda

412

Cameroon

413

Namibia. Southwest Africa

(414)

Eritrea

see QK395

415

Somalia

416

Zaire. Congo (Democratic Republic)

416.4

Congo (Brazzaville)

417

Liberia

418

Morocco

419

Mozambique

420

Angola

420.5

Sao Tome and Principe

421

Guinea-Bissau

422

Canary Islands

423

Western Sahara

423.5

Equatorial Guinea

Including Fernando Po

424

Libya

Indian Ocean islands

428

General works

429.A-Z

By island or group of islands, A-Z

429.A44

Aldabra Islands

429.C4

Christmas Island. Kiritimati

429.C6

Comoros

Madagascar see QK407

429.M27

Mascarene Islands

Including Réunion

429.M3

Mauritius

429.M34

Mayotte

429.P74

Prince Edward Islands

Réunion see QK429.M27

429.S4

Seychelles

429.S6

Sokotra

Geographical distribution. Phytogeography

Topographical divisions -- Continued

Australia

- 431 General works
 445 New South Wales
 Including Australian Capital Territory
 451 Northern Territory
 453 Queensland
 455 South Australia
 457 Tasmania
 459 Victoria
 461 Western Australia
 463 New Zealand and adjacent islands
- Pacific islands. Oceania
- 471 General works
 473.A-Z By island or group of islands, A-Z
 Cf. QK463 New Zealand and adjacent islands
- 473.B6 Bonin Island
 473.C48 Chuuk (Micronesia)
 473.C55 Clipperton Island
 473.E17 Easter Island
 473.F5 Fiji Islands
 473.F74 French Polynesia
 473.G2 Galapagos Islands
 473.G9 Guam
 473.H4 Hawaiian Islands
 473.J8 Juan Fernandez (Islands)
 473.K6 Kommander Islands
 473.M3 Makatea
 473.M34 Mariana Islands
 473.M36 Marshall Islands
 473.M5 Micronesia
 473.N4 New Caledonia
 New Guinea see QK366
 Niihau see QK473.H4
 473.N57 Niue (Island)
 Oceania see QK471+
 Okinawa Islands see QK369.3
- 473.P3 Palmyra Island
 473.P5 Pitcairn Island
 473.P75 Polynesia
 473.P78 Ponape Island
 473.R27 Raiatea
 473.R3 Rarotonga
 473.S3 Samoan Islands
 473.S6 Society Islands (French Polynesia)
 473.T3 Tahiti

- Geographical distribution. Phytogeography
 Topographical divisions
 Pacific islands. Oceania
 By island or group of islands, A-Z --
 Continued
 473.T6 Tonga
 473.V25 Vanuatu
 Arctic regions
 474 General works
 474.2 Greenland
 474.3 Svalbard
 474.4 Antarctica
 474.5 Tropics
 Cf. QK391 Tropical Africa
 Cf. QK936 Tropical plant ecology
 Spermatophyta. Phanerogams
 For general works, see general botany
 Trees and shrubs
 Cf. SD434+ Timber trees
 474.8 Periodicals. Societies. Serials
 474.83 Collected works (nonserial)
 474.85 Congresses
 474.87 Dictionaries and encyclopedias
 475 General works, treatises, and textbooks
 475.6 Pictorial works. Atlases
 475.8 Juvenile works
 476 Study and teaching. Research
 477 Special aspects of the subject as a whole
 For historic trees, see D
 For folklore of trees see GR785
 For national and state trees see QK84.8+
 For remarkable trees see SD383+
 477.2.A-Z Special topics, A-Z
 477.2.A6 Annual rings
 Cf. CC78.3 Archaeology
 Cf. QC884.2.D4 Dendroclimatology
 Flowering see QK830
 Flowers see QK653+
 477.2.14 Identification
 Rings see QK477.2.A6
 Arboretums. Fruticeta
 479 General works
 480.A-Z By region or country, A-Z
 Under each country:
 .x General works
 .x2A-.x2Z Local or individual. By
 name, A-Z

Spermatophyta. Phanerogams
Trees and shrubs -- Continued

(481-493.5)

Local

see QK108+

Systematic divisions

Gymnosperms

Including orders and higher (not A-Z)

494

General works

494.5.A-Z

By family, A-Z

Class species and genera by family

Abietaceae see QK494.5.P66

494.5.A7

Araucariaceae

494.5.C4

Cephalotaxaceae

Coniferae see QK494

Coniferales see QK494

494.5.C975

Cupressaceae

494.5.C995

Cycadaceae

494.5.E5

Ephedraceae

494.5.G48

Ginkgoaceae

494.5.G565

Gnetaceae

494.5.P58

Phyllocladaceae

494.5.P66

Pinaceae

494.5.P73

Podocarpaceae

494.5.S8

Stangeriaceae

494.5.T25

Taxaceae

494.5.T3

Taxodiaceae

494.5.W4

Welwitschiaceae

494.5.Z35

Zamiaceae

Angiosperms

495.A1

General works, treatises, and textbooks

For geographical treatment see QK108+

For works limited to anatomy, morphology,
and physiology see QK640+

495.A12

Dicotyledons

Including orders and higher (not A-Z)

495.A14

Monocotyledons

Including orders and higher (not A-Z)

495.A15-Z

By family, A-Z

Class species and genera by family

495.A1655

Acanthaceae

495.A17

Aceraceae (Maple)

495.A175

Achariaceae

495.A176

Achatocarpaceae

495.A177

Actinidiaceae

495.A178

Adoxaceae (Moschatel)

495.A185

Aextoxicaceae

495.A26

Agavaceae

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

- 495.A32 Aizoaceae (Ice plant)
 495.A34 Akaniaceae
 495.A36 Alangiaceae
 495.A4 Alismataceae (Water plantain)
 495.A48 Amaranthaceae (Amaranth)
 495.A484 Amaryllidaceae (Amaryllis)
 495.A485 Amborellaceae
 495.A498 Anacardiaceae (Cashew)
 495.A499 Ancistrocladaceae
 495.A6 Annonaceae (Pawpaw)
 495.A66 Apiaceae see QK495.U48
 495.A667 Apocynaceae (Dogbane)
 495.A67 Aponogetonaceae
 495.A67 Aquifoliaceae (Holly)
 495.A685 Araceae (Arum)
 495.A6853 Araliaceae (Ginseng)
 495.A688 Arecaceae see QK495.P17
 495.A815 Aristolochiaceae (Dutchman's pipe)
 Asclepiadaceae (Milkweed)
 Asteraceae see QK495.C74
 Austrobaileyaceae
 495.A9 Balanopaceae
 495.B2 Balanophoraceae
 495.B23 Balsaminaceae (Touch-me-not)
 495.B25 Basellaceae (Madeira vine)
 495.B256 Bataceae
 495.B33 Begoniaceae (Begonia)
 495.B4 Berberidaceae (Barberry)
 495.B45 Betulaceae (Birch)
 495.B56 Bignoniaceae (Catalpa)
 495.B62 Bixaceae
 495.B63 Bombacaceae
 495.B7 Boraginaceae (Borage)
 495.B73 Brassicaceae see QK495.C9
 495.B75 Bretschneideraceae
 495.B76 Bromeliaceae (Bromelia)
 495.B78 Brunelliaceae
 495.B785 Bruniaceae
 495.B786 Brunoniaceae (Blue-pincushion)
 495.B7865 Buddlejaceae
 495.B79 Burmanniaceae
 495.B8 Burseraceae (Incense tree)
 495.B83 Butomaceae (Flowering rush)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.B85	Buxaceae (Box)
495.B9	Byblidaceae
495.C11	Cactaceae (Cactus)
495.C1153	Caesalpinaceae
495.C1155	Callitrichaceae (Water starwort)
495.C15	Calycanthaceae (Spicebush)
495.C17	Calyceraceae
495.C18	Campanulaceae (Bellflower)
	Candolleaceae see QK495.S87
495.C182	Canellaceae
495.C194	Cannabaceae
495.C196	Cannaceae (Canna)
	Capparaceae see QK495.C198
495.C198	Capparidaceae (Spiderflower)
495.C199	Caprifoliaceae (Honeysuckle)
495.C1995	Cardiopteridaceae
495.C1997	Caricaceae (Papaya)
495.C2	Caryocaraceae
495.C24	Caryphyllaceae (Pink)
495.C27	Casuarinaceae (Beefwood)
495.C385	Celastraceae (Staff tree)
495.C39	Centrolepidaceae
495.C395	Cephalotaceae
495.C4	Ceratophyllaceae (Hornwort)
495.C43	Cercidiphyllaceae
495.C46	Chenopodiaceae (Goosefoot)
495.C47	Chloranthaceae
495.C48	Chrysobalanaceae
495.C5	Cistaceae (Rockrose)
495.C55	Clethraceae
	Clusiaceae see QK495.G87
495.C555	Cneoraceae
495.C6	Cochlospermaceae
495.C65	Columelliaceae
495.C7	Combretaceae (White mangrove)
495.C73	Commelinaceae (Spiderwort)
495.C74	Compositae (Sunflower)
495.C76	Connaraceae
495.C78	Convolvulaceae (Morning-glory)
495.C783	Coriariaceae
495.C785	Cornaceae (Dogwood)
495.C786	Corsiaceae
495.C787	Corynocarpaceae

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.C79	Crassulaceae (Stonecrop)
495.C797	Crossosomataceae
495.C9	Cruciferae (Mustard)
495.C93	Crypteroniaceae
495.C96	Cucurbitaceae (Gourd)
495.C965	Cunoniaceae (Lightwood)
495.C967	Cuscutaceae (Dodder)
495.C97	Cyanastraceae
495.C975	Cyclanthaceae (Panama-hat palm)
495.C98	Cynomoriaceae
495.C997	Cyperaceae (Sedge)
495.C9973	Cyrillaceae (Leatherwood)
495.D325	Daphniphyllaceae
495.D33	Datisacaceae (Durango root)
495.D34	Davidiaceae
495.D35	Davidsoniaceae
495.D4	Degeneriaceae
495.D42	Desfontainiaceae
495.D43	Dialypetalanthaceae
495.D435	Diapensiaceae
495.D44	Dichapetalaceae
495.D45	Didiereaceae
495.D46	Didymelaceae
495.D47	Dilleniaceae
495.D48	Dioncophyllaceae
495.D54	Dioscoreaceae (Yam)
495.D545	Dipentodontaceae
495.D56	Dipsacaceae (Teasel)
495.D564	Dipterocarpaceae
495.D76	Droseraceae (Sundew)
495.D9	Duckeodendraceae
495.D95	Dysphaniaceae
495.E25	Ebenaceae (Ebony)
495.E33	Elaeagnaceae
495.E35	Elaeocarpaceae
495.E37	Elatinaceae (Waterwort)
495.E44	Empetraceae (Crowberry)
495.E45	Epacridaceae
495.E64	Eremolepidaceae
495.E68	Ericaceae (Heath)
495.E685	Eriocaulaceae (Pipewort)
495.E695	Eriospermaceae
495.E82	Erythroxylaceae (Coca)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

- Escalloniaceae see QK495.S3
 Eucalyptus see QK495.M9
 495.E84 Eucommiaceae
 495.E85 Eucryphiaceae
 495.E9 Euphorbiaceae (Spurge)
 495.E95 Eupomatiaceae
 495.E96 Eupteleaceae
 Euryalaceae see QK495.T4
 Fabaceae see QK495.L52
 495.F14 Fagaceae (Beech; Oak)
 495.F55 Flacourtiaceae
 495.F58 Flagellariaceae
 495.F6 Fouquieriaceae (Ocotillo)
 495.F67 Frankeniaceae (Alkali heath)
 495.G26 Garryaceae (Silktassel bush)
 495.G27 Geissolomataceae
 495.G35 Gentianaceae (Gentian)
 495.G37 Geosiridaceae
 495.G38 Geraniaceae (Geranium)
 495.G4 Gesneriaceae (African violet)
 495.G56 Globulariaceae
 495.G65 Gomortegaceae
 495.G655 Goodeniaceae
 495.G74 Gramineae (Grass)
 495.G76 Grubbiaceae
 495.G87 Guttiferae (St. Johnswort)
 495.G877 Gyrostemonaceae
 495.H15 Haemodoraceae (Bloodwort)
 495.H2 Haloragaceae (Water milfoil)
 Haloragidaceae see QK495.H2
 495.H3 Hamamelidaceae (Witch hazel)
 Henriqueziaceae see QK495.R85
 495.H42 Hernandiaceae
 495.H5 Himantandraceae
 495.H65 Hippocastanaceae (Horse chestnut)
 495.H66 Hippocrateaceae
 495.H67 Hippuridaceae (Mare's tail)
 495.H7 Hoplestigmataceae
 Houmiriaceae see QK495.H8
 495.H8 Humiriaceae
 495.H84 Hydnoraceae
 (495.H85) Hydrocaryaceae
 see QK495.T66

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

- 495.H86 Hydrocharitaceae (Elodea)
 495.H88 Hydrophyllaceae (Waterleaf)
 495.H885 Hydrostachyaceae
 495.H9 Hypoxidaceae
 495.I25 Icacinaceae
 495.I4 Illiciaceae (Anise tree)
 495.I75 Iridaceae (Iris)
 495.J85 Juglandaceae (Walnut)
 495.J855 Julianiaceae
 495.J87 Juncaceae (Rush)
 495.J875 Juncaginaceae (Arrow grass)
 495.K7 Krameriaceae
 Labiatae see QK495.L25
 495.L152 Lacistemaceae
 495.L153 Lactoridaceae
 495.L25 Lamiaceae (Mint)
 495.L32 Lardizabalaceae
 495.L375 Lauraceae (Laurel)
 495.L42 Lecythidaceae (Brazil nut)
 495.L46 Leeaceae
 495.L52 Legumes
 Cf. QK495.C1153 Caesalpinaceae
 Cf. QK495.M545 Mimosaceae
 495.L524 Leitneriaceae (Corkwood)
 495.L527 Lemnaceae (Duckweed)
 495.L528 Lennoaceae
 495.L53 Lentibulariaceae (Bladderwort)
 495.L72 Liliaceae (Lily)
 495.L73 Limnanthaceae (Meadowfoam)
 495.L74 Linaceae (Flax)
 495.L76 Lissocarpaceae
 495.L78 Loasaceae (Evening star)
 495.L785 Loganiaceae (Butterfly bush)
 495.L87 Loranthaceae (Mistletoe)
 495.L88 Lowiaceae
 495.L9 Lythraceae (Crepe myrtle)
 495.M24 Magnoliaceae (Magnolia)
 495.M245 Malesherbiaceae
 495.M26 Malpighiaceae
 495.M27 Malvaceae (Mallow)
 495.M28 Marantaceae (Arrowroot)
 495.M285 Marograviaceae
 495.M287 Martyniaceae (Devil's claw)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

495.M3	Mayacaceae (Bogmoss)
495.M5	Medusagynaceae
495.M51	Medusandraceae
495.M514	Melastomataceae (Meadow beauty)
495.M52	Meliaceae (Mahogany)
495.M524	Melianthaceae (Honey bush)
495.M537	Menispermaceae (Moonseed)
495.M5375	Menyanthaceae
495.M545	Mimosaceae
495.M55	Misodendraceae
495.M6	Molluginaceae
495.M67	Monimiaceae (Voldo)
495.M73	Moraceae (Mulberry)
495.M74	Moringaceae (Horseradish tree)
495.M78	Musaceae (Banana)
	Musales see QK495.A14
495.M8	Myoporaceae
495.M83	Myricaceae (Wax myrtle)
495.M85	Myristicaceae (Nutmeg)
495.M86	Myrothamnaceae
495.M87	Myrsinaceae
495.M9	Myrtaceae (Myrtle)
495.N3	Naiadaceae
	Nelumbonaceae see QK495.N97
495.N35	Nepenthaceae
495.N37	Neuradaceae
495.N6	Nolanaceae
495.N9	Nyctaginaceae (Four-o'clock)
495.N97	Nymphaeaceae (Waterlily)
495.N975	Nyssaceae (Sour gum)
495.O3	Ochnaceae
495.O35	Olacaceae (Tallow-wood)
495.O44	Oleaceae (Olive)
495.O446	Oliniaceae
495.O46	Onagraceae (Evening-primrose)
495.O62	Opiliaceae
495.O64	Orchidaceae (Orchid)
495.O74	Orobanchaceae (Broomrape)
495.O98	Oxalidaceae (Wood sorrel)
495.P15	Paeoniaceae
495.P17	Palmae (Palm)
495.P175	Pandaceae
495.P18	Pandanaceae (Screw pine)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

- 495.P22 Papaveraceae (Poppy)
 Papaverales see QK495.A12
- 495.P28 Passifloraceae (Passionflower)
- 495.P42 Pedaliaceae (Benne)
- 495.P43 Penaeaceae
- 495.P44 Pentaphragmataceae
- 495.P445 Pentaphragmataceae
 Peperomiaceae see QK495.P67
- 495.P446 Peridiscaceae
- 495.P45 Philydraceae
- 495.P453 Phymaceae (Lopseed)
- 495.P454 Phytolaccaceae (Poke)
- 495.P5 Picrodendraceae
- 495.P67 Piperaceae (Pepper)
- 495.P7 Pittosporaceae
- 495.P714 Plantaginaceae (Plantain)
- 495.P72 Platanaceae (Sycamore)
- 495.P725 Plumbaginaceae (Leadwort)
 Poaceae see QK495.G74
- 495.P74 Podostomaceae (Riverweed)
- 495.P77 Polemoniaceae (Phlox)
- 495.P775 Polygalaceae (Milkwort)
- 495.P78 Polygonaceae (Buckwheat)
- 495.P783 Pontederiaceae (Pickerelweed)
- 495.P8 Portulacaceae
- 495.P83 Posidoniaceae
 Potaliaceae see QK495.L785
- 495.P85 Potamogetonaceae (Pondweed)
- 495.P95 Primulaceae (Primrose)
- 495.P957 Proteaceae (Silk oak)
- 495.P9575 Ptaeroxylaceae
- 495.P958 Punicaceae (Pomegranate)
- 495.P997 Pyrolaceae
- 495.Q5 Quiinaceae
- 495.R15 Rafflesiaceae
- 495.R215 Ranales see QK495.A12
 Ranunculaceae (Buttercup)
 Ranunculales see QK495.A12
- 495.R3 Rapateaceae
- 495.R4 Resedaceae (Mignonette)
- 495.R42 Restionaceae
- 495.R45 Rhamnaceae (Coffeeberry)
- 495.R46 Rhizophoraceae (Mangrove)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

	Rhoeadales see QK495.A12
495.R465	Rhoipteleaceae
495.R468	Roridulaceae
495.R78	Rosaceae (Rose)
495.R85	Rubiaceae (Madder)
495.R956	Ruppiaceae
495.R98	Rutaceae (Citrus)
495.S15	Sabiaceae
495.S16	Salicaceae (Willow)
495.S165	Salvadoraceae (Toothbrush tree)
495.S18	Santalaceae (Sandalwood)
495.S19	Sapindaceae (Soapberry)
495.S2	Sapotaceae (Chicle)
495.S225	Sarcolaenaceae
495.S227	Sarcospermataceae
495.S23	Sargentodoxaceae
495.S24	Saraceniaceae (Pitcher plant)
495.S27	Saururaceae (Lizard's-tail)
495.S3	Saxifragaceae (Saxifrage)
495.S35	Scheuchzeriaceae
495.S353	Schisandraceae (Bay-star vine)
	Scitamineae see QK495.A14
495.S43	Scrophulariaceae (Snapdragon)
495.S45	Scyphostegiaceae
495.S47	Scytometalaceae
495.S59	Simaroubaceae (Tree of heaven)
495.S65	Smilacaceae
495.S7	Solanaceae (Nightshade)
495.S74	Sonneratiaceae
495.S745	Sparganiaceae (Bar-reed)
495.S7455	Sphaerosepalaceae
495.S7456	Sphenocleaceae
495.S76	Stachyuraceae
495.S765	Stackhousiaceae
495.S77	Staphyleaceae (Bladdernut)
495.S78	Stemonaceae
495.S8	Sterculiaceae (Cacao)
495.S85	Strasburgeriaceae
495.S87	Stylidiaceae
495.S9	Styracaceae (Silverbell tree)
495.S95	Symplocaceae (Sweetleaf)
495.T3	Taccaceae
495.T35	Tamaricaceae (Tamarisk)

Spermatophyta. Phanerogams

Systematic divisions

Angiosperms

By family, A-Z -- Continued

- 495.T355 Tetracentraceae
 495.T4 Theaceae (Tea)
 495.T45 Theligonaceae
 495.T457 Theophrastaceae (Joewood)
 495.T46 Thurniaceae
 495.T48 Thymelaeaceae
 495.T5 Tiliaceae (Linden)
 495.T6 Tovariaceae
 495.T66 Trapaceae (Water chestnut)
 495.T7 Tremandraceae
 495.T73 Trigoniaceae
 495.T735 Trilliaceae
 495.T74 Trimeniaceae
 495.T745 Triuridaceae
 495.T75 Trochodendraceae
 495.T77 Tropaeolaceae (Nasturtium)
 495.T8 Turneraceae
 495.T9 Typhaceae (Cattail)
 495.U4 Ulmaceae (Elm)
 495.U48 Umbelliferae (Parsley)
 495.U7 Urticaceae (Nettle)
 495.V3 Valerianaceae
 495.V4 Velloziaceae
 495.V48 Verbenaceae (Verbena)
 495.V5 Violaceae (Violet)
 495.V53 Viscaceae
 495.V55 Vitaceae (Grape)
 495.V6 Vochysiaceae
 495.W5 Winteraceae
 495.X3 Xanthorrhoeaceae
 495.X9 Xyridaceae (Yellow-eyed grass)
 495.Z3 Zannichelliaceae
 495.Z65 Zingiberaceae (Ginger)
 495.Z7 Zosteraceae
 495.Z9 Zygophyllaceae (Creosote-bush)

Cryptogams

Including Archegoniatae

For bacteria see QR1+

- 504 Periodicals, societies, congresses, serial publications
 505 General works, treatises, and textbooks
 505.5 Juvenile works
 506 Anatomy, physiology, etc.

Cryptogams -- Continued

- 507 Classification. Systematic works
Local
- 509 North America
United States
- 510 General works
- 511.A-Z By region or state, A-Z
- Canada
- 511.2 General works
- 511.3.A-Z By region or province, A-Z
- Latin America
- 511.7 General works
- Mexico
- 512 General works
- 512.2.A-Z By region or state, A-Z
- 512.4 Central America (Table Q3)
- 512.5 West Indies. Caribbean Area (Table Q3)
- 512.6 South America (Table Q3)
- Europe
- 512.7 General works
- 513 Great Britain
- 514.A-Z Other European regions or countries, A-Z
- 515 Asia (Table Q3)
- 516 Africa (Table Q3)
- 517 Australia
- 517.5 New Zealand
- 518 Pacific islands (Table Q3)
- 519 Arctic regions
- 519.5 Antarctica
- Pteridophyta (Ferns, etc.)
- 520 Periodicals, societies, congresses, serial
publications
- 521 Anatomy, physiology, etc.
- 522 General works, treatises, and textbooks
- 522.5 Juvenile works
- 523 Classification. Systematic works
- 523.3 Catalogs and collections
- 524.A-Z Systematic divisions, A-Z
- 524.A25 Actiniopteridaceae
- 524.A29 Adiantaceae
- (524.A65) Aspidiaceae
see QK524.D79
- 524.A7 Aspleniaceae
- 524.A76 Athyriaceae
- 524.A94 Azollaceae
- 524.C9 Cyatheaceae
- 524.D5 Dennstaedtiaceae

Cryptogams

Pteridophyta (Ferns, etc.)

Systematic divisions, A-Z -- Continued

- 524.D79 Dryopteridaceae
 524.E6 Equisetaceae
 524.H9 Hymenophyllaceae
 524.I8 Isoetaceae
 524.L64 Lomariopsidaceae
 524.L9 Lycopodiaceae
 524.M3 Marattiaceae
 524.M4 Marsileaceae
 524.O7 Ophioglossaceae
 524.O8 Osmundaceae
 524.P3 Parkeriaceae
 524.P7 Polypodiaceae
 524.P77 Psilotaceae
 Pteridaceae see QK524.A29
 524.S33 Salviniaceae
 524.S35 Schizaeaceae
 524.S46 Selaginellaceae
 524.T54 Thelypteridaceae

Geographical distribution

For particular taxa see QK524.A+

- 524.35 General works
 Physiographic divisions (General)
 524.37 Water
 Land see QK524.35
 Topographic divisions
 America
 524.4 General works
 North America
 524.5 General works
 524.7 Great Lakes region
 United States
 525 General works
 525.5.A-Z By region or state, A-Z
 Canada
 525.6 General works
 525.7.A-Z By region or province, A-Z
 Latin America
 525.8 General works
 Mexico
 525.85 General works
 525.9.A-Z By region or state, A-Z
 526 Central America (Table Q3)
 526.2 West Indies. Caribbean area (Table Q3)
 526.4 South America (Table Q3)

Cryptogams

Pteridophyta (Ferns, etc.)

Geographical distribution

Topographic divisions -- Continued

Europe

526.5

General works

527

Great Britain

528.A-Z

Other European regions or countries, A-Z

529

Asia (Table Q3)

530

Africa (Table Q3)

531

Australia

531.5

New Zealand

532

Pacific islands (Table Q3)

Bryophyta. Bryology

532.4

Periodicals. Societies. Serials

532.42

Congresses

532.5

Dictionaries and encyclopedias

History

532.6

General works

532.65.A-Z

By region or country, A-Z

Biography

532.7

Collective

532.75.A-Z

Individual, A-Z

532.8

Directories

533

General works, treatises, and textbooks

533.3

Juvenile works

533.35

Addresses, essays, lectures

Rare and endangered bryophytes

533.4

General works

533.5.A-Z

By region or country, A-Z

533.6

Anatomy, physiology, etc.

533.7

Classification. Systematic works

533.74

Catalogs and collections

By region or country

United States

533.8

General works

533.82.A-Z

By region or state, A-Z

533.84.A-Z

Other regions or countries, A-Z

Musci (Mosses)

534

Periodicals, societies, congresses, serial publications

535

Anatomy, physiology, etc.

537

General works, treatises, and textbooks

537.5

Juvenile works

538

Classification. Systematic works

538.4

Catalogs and collections

539.A-Z

Systematic divisions, A-Z

Cryptogams

Bryophyta. Bryology

Musci (Mosses)

Systematic divisions, A-Z -- Continued

- 539.A6 Amblystegiaceae
- 539.B68 Brachytheciaceae
- 539.B7 Bryaceae
- 539.B97 Buxbaumiaceae
- 539.D5 Dicranaceae
- 539.F5 Fissidentaceae
- 539.F6 Fontinalaceae
- 539.F98 Funariaceae
- 539.G7 Grimmiaceae
- 539.H68 Hookeriaceae
- 539.H95 Hypnobryales
- 539.H96 Hypopterygiaceae
- 539.M68 Mniaceae
- 539.O7 Orthotrichaceae
- 539.P7 Plagiotheciaceae
- 539.P78 Polytrichaceae
- 539.P8 Pottiaceae
- 539.P93 Pterobryaceae
- 539.S46 Seligeriaceae
- 539.S75 Sphagnaceae
- 539.S76 Splachnaceae
- 539.S84 Stereophyllaceae
- 539.T58 Timmiaceae

Local

America

- 540.4 General works
- North America
- 540.5 General works
- 540.7 Great Lakes region
- United States
- 541 General works
- 541.5.A-Z By region or state, A-Z
- Canada
- 541.6 General works
- 541.7.A-Z By region or province, A-Z
- 541.8 Latin America
- Mexico
- 541.85 General works
- 541.9.A-Z By region or state, A-Z
- 542 Central America (Table Q3)
- 542.2 West Indies. Caribbean area (Table Q3)
- 542.4 South America (Table Q3)
- 542.45 Atlantic islands (Table Q3)

Cryptogams

Bryophyta. Bryology

Musci (Mosses)

Local -- Continued

Europe

- 542.5 General works
- 543 Great Britain
- 544.A-Z Other European regions or countries, A-Z
- 545 Asia (Table Q3)
- 546 Africa (Table Q3)
- 547 Australia
- 547.5 New Zealand
- 548 Pacific islands (Table Q3)
- 549 Arctic regions
- 549.5 Antarctica

Hepaticae (Liverworts)

- 551 Anatomy, physiology, etc.
 - 553 General works, treatises, and textbooks
 - 554 Classification. Systematic works
 - 555.A-Z Systematic divisions, A-Z
 - 555.A3 Adelanthaceae
 - 555.A5 Aneuraceae
 - (555.A6) Anthocerotaceae
 - see QK563.75+
 - 555.B34 Balantiopsaceae
 - 555.B7 Bryopteridaceae
 - 555.D5 Dilaenaceae
 - 555.F6 Fossombroniaceae
 - 555.F9 Frullaniaceae
 - 555.G44 Geocalycaceae
 - 555.G7 Grimaldiaceae
 - 555.H35 Haplomitriaceae
 - 555.J9 Jungermanniaceae
 - 555.L37 Lejeuneaceae
 - 555.L4 Lepidoziaceae
 - 555.L58 Lophocoleaceae
 - 555.L6 Lophoziaceae
 - 555.M2 Marchantiaceae
 - 555.M4 Metzgeriaceae
 - 555.P45 Plagiochilaceae
 - 555.P6 Porellaceae
 - 555.R5 Ricciaceae
 - 555.S34 Scapaniaceae
 - 555.T3 Targioniaceae
- Local
- America
 - 555.4 General works

Cryptogams

Bryophyta. Bryology

Hepaticae (Liverworts)

Local

America -- Continued

North America

555.5

General works

555.7

Great Lakes region

United States

556

General works

556.5.A-Z

By region or state, A-Z

Canada

556.6

General works

556.7.A-Z

By region or province, A-Z

Latin America

556.8

General works

Mexico

556.85

General works

556.9.A-Z

By region or state, A-Z

557

Central America (Table Q3)

557.2

West Indies. Caribbean area (Table Q3)

557.4

South America (Table Q3)

Atlantic Ocean islands

557.45

General works

557.47.A-Z

By island or group of islands, A-Z

557.47.F34

Falkland Islands

Europe

557.5

General works

558

Great Britain

559.A-Z

Other European regions or countries, A-Z

560

Asia (Table Q3)

561

Africa (Table Q3)

562

Australia

562.5

New Zealand

563

Pacific islands (Table Q3)

563.5

Arctic regions

563.7

Antarctica

563.725

Southern hemisphere

Hornworts

563.75

Periodicals, societies, congresses, serial
publications

563.77

Anatomy, physiology, etc.

563.8

General works, treatises, and textbooks

563.84

Classification. Systematic works

563.85.A-Z

By genus, A-Z

563.85.A57

Anthoceros

563.87.A-Z

By region or country, A-Z

Cryptogams -- Continued

- Algae. Algology
- 564 Periodicals. Societies. Serials
- 564.3 Congresses
- 564.5 Collected works (nonserial)
- 564.6 Dictionaries and encyclopedias
- History
- 564.7 General works
- 564.73 By region or country, A-Z
- Biography
- 564.75 Collective
- 564.77 Individual, A-Z
- 564.8 Directories
- Anatomy, physiology, etc.
- Including cytology, morphology
- 565 General works
- 565.2 Laboratory cultures and technique
- 565.5 Genetics
- 566 General works, treatises, and textbooks
- 566.3 Popular works
- 566.5 Juvenile works
- 567 Classification. Systematic works
- 567.5 Catalogs and collections
- 568.A-Z Special topics, A-Z
- 568.B55 Blooms
- 568.E26 Ecology
- For systematic treatment see QK569.A+
- For geographic treatment see QK570+
- 568.E85 Evolution
- 568.M52 Microalgae
- For systematic treatment see QK569.A+
- For geographic treatment see QK570+
- 568.T67 Toxic algae
- Including toxic marine algae
- 569.A-Z Systematic divisions, A-Z
- 569.A27 Acrochaetiaceae
- 569.A43 Alariaceae
- Audouinellaceae see QK569.A27
- Bacillariaceae see QK569.D54
- 569.B2 Bangiaceae
- 569.B25 Batrachospermaceae
- 569.C37 Caulerpaceae
- 569.C39 Centrales
- 569.C4 Ceramiaceae
- 569.C44 Chaetangiaceae
- 569.C45 Chaetophoraceae
- 569.C455 Chaetophorales

Cryptogams

Algae. Algology

Systematic divisions, A-Z -- Continued

- 569.C47 Characeae
 569.C48 Characiaceae
 569.C483 Charophyta
 569.C486 Chlamydomonadaceae
 569.C49 Chlorellaceae
 569.C494 Chlorococcaceae
 569.C496 Chlorococcales
 569.C6 Chlorophyta
 569.C617 Chromophyta
 569.C62 Chrysophyceae
 569.C622 Chrysophytes
 569.C624 Cladophoraceae
 569.C63 Coccolithophoridae
 569.C65 Codiaceae
 569.C73 Coleochaetaceae
 569.C8 Corallinaceae
 569.C86 Crossocarpaceae
 569.C95 Cryptonemiaceae
 569.C956 Cyanidiaceae
 Cyanophyta see QR99.6+
- 569.C97 Cystoseiraceae
 569.D3 Dasyaceae
 569.D33 Dasycladaceae
 569.D34 Dasycladales
 569.D4 Delesseriaceae
 569.D43 Desmerestiaceae
 569.D46 Desmidiaceae
 Desmidiales see QK569.D46
 Desmidiales (Zygnematales) see QK569.Z82
- 569.D54 Diatomaceae
 569.D55 Dinamoebales
 569.D56 Dinoflagellates
 Dunaliellaceae see QK569.P65
- 569.E9 Euglenaceae
 569.E93 Euglenids
 569.F64 Florideae
 569.F95 Fucaceae
 569.G4 Gelidiaceae
 569.G42 Gelidiales
 569.G5 Gigartinaceae
 569.G7 Gonidomataceae
 569.G8 Gracilariaceae
 569.H44 Hemidiscaceae
 569.H46 Heteropodiaceae

Cryptogams

Algae. Algology

Systematic divisions, A-Z -- Continued

- 569.K3 Kallymeniaceae
 569.L2 Laminariaceae
 569.L34 Laminariales
 569.L5 Lemnaceae
 569.L53 Lessoniaceae
 569.L56 Lithodermataceae
 569.M27 Mallomonadaceae
 Melanophyceae see QK569.P5
 569.M87 Myrionemataceae
 Myxophyceae see QR99.6+
 569.N37 Naviculaceae
 569.N45 Nemastomataceae
 Nostocaceae see QR99.7.N67
 569.O4 Oedogoniaceae. Oedogoniales
 569.O6 Oocystaceae
 Oscillatoriaceae see QR99.7.O82
 569.P33 Peridinales
 569.P35 Peyssonneliaceae
 569.P39 Pfiesteriaceae
 569.P5 Phaeophyta
 569.P54 Phylloporaceae
 569.P65 Polyblepharidaceae
 569.P68 Porphyridiaceae
 569.P9 Prasiolaceae
 569.P93 Prochloraceae
 (569.P94) Protococcaceae
 see QK569.C486
 569.P97 Protosiphonaceae
 569.P974 Prymnesiophyceae
 569.P98 Pseudoanemoniaceae
 569.R37 Rhodomelaceae
 569.R4 Rhodophyta. Rhodophyceae
 569.R6 Rhodymeniaceae
 569.S2 Sargassaceae
 569.S32 Scenedesmaceae
 Schizophyceae see QR99.6+
 569.S36 Scytosiphonaceae
 569.S43 Selenastraceae
 569.S53 Silicoflagellates
 569.S56 Siphonocladaceae
 569.S7 Sphacelariaceae
 Stigonemataceae see QR99.7.S85
 569.T47 Thalassiosiraceae
 569.T73 Trentepohliaceae

Cryptogams

Algae. Algology

Systematic divisions, A-Z -- Continued

- 569.U46 Udoteaceae
- 569.U5 Ulotrichaceae
- 569.U55 Ulvaceae
- 569.U6 Ulvales
- 569.V3 Valoniaceae
- 569.V35 Vaucheriaceae
- 569.V9 Volvocaceae
- 569.V93 Volvocales
- 569.Z8 Zygnemataceae
- 569.Z82 Zygnematales

Geographical distribution

For particular taxa see QK569.A+

- 570 General works
- Physiographic divisions (General)
 - 570.2 Marine
 - Cf. SH390+ Fisheries
 - 570.25 Freshwater
- Topographical divisions
 - America
 - 570.4 General works
 - North America
 - 570.5 General works
 - 570.7 Great Lakes region
 - United States
 - 571 General works
 - 571.5.A-Z By region or state, A-Z
 - Canada
 - 571.6 General works
 - 571.7.A-Z By region or province, A-Z
 - Latin America
 - 571.8 General works
 - Mexico
 - 571.85 General works
 - 571.9.A-Z By region or state, A-Z
 - 572 Central America (Table Q3)
 - 572.2 West Indies. Caribbean area (Table Q3)
 - 572.4 South America (Table Q3)
 - Atlantic Ocean and islands
 - 572.48 General works
 - 572.5.A-Z By region, group of islands, or island, A-Z
 - Europe
 - 572.9 General works
 - 573 Great Britain
 - 574.A-Z Other European regions or countries, A-Z

Cryptogams

Algae. Algology

Geographical distribution

Topographical divisions -- Continued

- 575 Asia (Table Q3)
- 576 Africa (Table Q3)
- 576.5 Indian Ocean
- 577 Australia
- 577.5 New Zealand
- 577.8 Pacific Ocean
- 578 Pacific Islands (Table Q3)
- Polar regions
- 579 General works
- 580 Arctic regions
- 580.5 Antarctica

Lichens. Lichenology

- 580.7 Periodicals. Societies. Serials
- 580.74 Congresses
- 580.75 Collected works (nonserial)
- 580.77 Dictionaries and encyclopedias
- Biography
- 580.85 Collective
- 580.86.A-Z Individual, A-Z
- 581 Anatomy, physiology, etc.
- 583 General works, treatises, and textbooks
- 584 Classification. Systematic works
- 584.2 Catalogs and collections
- 584.6.A-Z Special topics, A-Z
- 584.6.E64 Epiphytic lichens
- 585.A-Z Systematic divisions, A-Z
- 585.C28 Caliciales
- 585.C3 Caloplacaceae
- 585.C6 Cladoniaceae
- 585.C65 Collemataceae
- 585.G8 Graphidaceae
- 585.H48 Heppiaceae
- 585.L37 Lecanoraceae
- 585.L4 Lecidiaceae
- 585.L53 Lichinaceae
- 585.M44 Megalosporaceae
- 585.O63 Opegraphaceae
- 585.P17 Pannariaceae
- 585.P2 Parmeliaceae
- 585.P34 Peltigeraceae
- 585.P37 Pertusariaceae
- 585.P45 Physciaceae
- 585.R35 Ramalinaceae

Cryptogams

Lichens. Lichenology

Systematic divisions, A-Z -- Continued

- 585.R7 Roccellaceae
- 585.S64 Sphaerophoraceae
- 585.S78 Stereocaulaceae
- 585.S8 Stictaceae
- 585.T44 Teloschistaceae
- 585.T48 Thelenellaceae
- 585.T5 Thelotremataceae
- 585.T7 Trypetheliaceae
- 585.U5 Umbilicariaceae
- 585.V4 Verrucariaceae

Local

America

- 586.4 General works
 - North America
 - 586.5 General works
 - 586.7 Great Lakes region
 - United States
 - 587 General works
 - 587.5.A-Z By region or state, A-Z
 - Canada
 - 587.6 General works
 - 587.7.A-Z By region or province, A-Z
 - Latin America
 - 587.8 General works
 - Mexico
 - 587.85 General works
 - 587.9.A-Z By region or state, A-Z
 - Central America (Table Q3)
 - 588.2 West Indies. Caribbean area (Table Q3)
 - 588.4 South America (Table Q3)
 - Atlantic Ocean and islands
 - 588.47 General works
 - 588.48.A-Z By region, group of islands or island, A-Z
 - Europe
 - 588.5 General works
 - 589 Great Britain
 - 590.A-Z Other European regions or countries, A-Z
 - 591 Asia (Table Q3)
 - 592 Africa (Table Q3)
 - 593 Australia
 - 593.5 New Zealand
 - 594 Pacific islands (Table Q3)
 - Arctic regions
 - 597 General works

Cryptogams

Lichens. Lichenology

Local

Arctic regions -- Continued

597.2

Greenland

597.3

Spitzbergen

597.5

Antarctica

597.7

Tropics

Fungi

Cf. QR111+ Soil fungi

Cf. QR245+ Pathogenic fungi

Cf. SB733 Phytopathogenic fungi

Cf. TA423.2+ Decay of wood

600

Periodicals. Societies. Serials

600.2

Collected works (nonserial)

600.3

Congresses

600.35

Dictionaries and encyclopedias

Biography

600.44

Collective

600.45.A-Z

Individual, A-Z

Study and teaching. Research

600.47

General works

600.473.A-Z

By region or country, A-Z

600.476

Experiments

600.478

Laboratory manuals

600.48

Collection and preservation

Museums. Exhibitions

600.5

General works

600.53.A-Z

By region or country, A-Z

Under each country:

.x

General works

.x2A-.x2Z

Individual. By name, A-Z

Catalogs and collections

600.7

General works

600.73.A-Z

By region or country, A-Z

Under each country:

.x

General works

.x2A-.x2Z

Individual. By name, A-Z

601

Anatomy, physiology, etc.

Including cytology, morphology

602

Genetics, variation, etc.

603

General works, treatises, and textbooks

Classification. Systematic works

603.2

General works

603.3

Nomenclature

603.5

Juvenile works

604

Special aspects of the subject as a whole

Cryptogams

Fungi -- Continued

- 604.2.A-Z Special topics, A-Z
- 604.2.A52 Anaerobic fungi
- 604.2.A56 Antagonistic fungi
- 604.2.C62 Aquatic fungi see QK617.8+
- 604.2.C64 Colonies
- 604.2.C66 Communities
- 604.2.E26 Conservation
- 604.2.E27 Ecology
- 604.2.E28 Economic aspects
- 604.2.E48 Ecophysiology
- 604.2.E53 Ectomycorrhizas see QK604.2.M92
- 604.2.E53 Edible fungi see QK617
- 604.2.E85 Endangered fungi
- 604.2.H34 Endomycorrhizas see QK604.2.M92
- 604.2.H95 Endophytic fungi
- 604.2.I36 Evolution
- 604.2.L53 Hallucinogenic mushrooms
- 604.2.L54 Hypogeous fungi
- 604.2.M64 Identification
- 604.2.M89 Lichen-forming fungi
- 604.2.M92 Lichenicolous fungi
- 604.2.M92 Molecular biology
- 604.2.M92 Mycoparasitism
- 604.2.M92 Mycorrhizas. Mycorrhizal fungi
Including ectomycorrhizas and
endomycorrhizas
Cf. SB106.M83 Plant culture
- 604.2.N45 Nematode-destroying fungi
- 604.2.P45 Pathogenic fungi see QR245+
- 604.2.P45 Phytopathogenic fungi
Cf. SB733 Control of phytopathogenic fungi
and fungal diseases of plants
- 604.2.P56 Pleomorphic fungi
- 604.2.P64 Poisonous fungi see QK617
- 604.2.P73 Populations
- 604.2.S25 Predacious fungi
- 604.2.S86 Saprophytic fungi
- 604.2.W65 Soil fungi see QR111+
- 604.2.W65 Straminipilous fungi
- 604.2.W65 Wood-decaying fungi
Cf. TA423.2+ Deterioration and
preservation of wood
- 604.2.W66 Wood-staining fungi
Cf. TA423.4 Deterioration and preservation
of wood

Cryptogams

Fungi

Special topics, A-Z -- Continued

Yeast fungi see QK617.5

Local

America

604.4

General works

North America

604.5

General works

604.7

Great Lakes region

United States

605

General works

605.5.A-Z

By region or state, A-Z

Canada

605.6

General works

605.7.A-Z

By region or state, A-Z

Latin America

605.8

General works

Mexico

605.85

General works

605.9.A-Z

By region or state, A-Z

606

Central America (Table Q3)

606.2

West Indies. Caribbean area (Table Q3)

606.4

South America (Table Q3)

Europe

606.5

General works

607

Great Britain

608.A-Z

Other European regions or countries, A-Z

609

Asia (Table Q3)

610

Africa (Table Q3)

611

Australia

611.5

New Zealand

612

Pacific islands (Table Q3)

615

Arctic regions

615.5

Antarctica

615.7

Tropics

617

Edible and poisonous fungi. Mushrooms (Popular works)

For geographic treatment see QK604.4+

For systematic treatment see QK621+

Cf. SB352.85+ Culture

617.5

Yeast fungi (General)

For geographic treatment see QK604.4+

For systematic treatment see QK621+

Cf. QR151+ Microorganisms of fermentation

Cf. TP433 Food processing and manufacture

Cf. TP580+ Brewing

Cryptogams

Fungi -- Continued

Aquatic fungi (General)

For geographic treatment see QK604.4+

For systematic treatment see QK621+

617.8

General works

618

Marine fungi (General)

618.2

Freshwater fungi (General)

Systematic divisions

Phycomycetes

621.A1

General works, treatises, and textbooks

621.A2-Z

Special, A-Z

621.B37

Basidiobolus

621.B6

Blastocladiaceae

621.C48

Choanephoraceae

621.C5

Chytridiaceae

621.C63

Coelomomycetaceae

621.E3

Eccrinales

621.E47

Endogonaceae

621.E49

Entomophthoraceae

621.E5

Entophlyctaceae

621.L44

Leptomitales

Molds see QK600+

621.M6

Monoblepharidaceae

621.M64

Mortierellaceae

621.M94

Mucoraceae

621.M96

Mucorales

621.O4

Olpidiaceae

Oomycetes see QK621.A1

621.P45

Peronosporaceae

621.P47

Peronosporales

621.P9

Pythiaceae

621.R5

Rhipidiaceae

621.S24

Saprolegniaceae

621.S25

Saprolegniales

621.S9

Synchytriaceae

621.T45

Thraustochytriaceae

Trichomycetes see QK621.A1

621.W6

Woroniaceae

Ascomycetes

623.A1

General works, treatises, and textbooks

623.A2-Z

Special, A-Z

623.A8

Ascobolaceae

Aspergillus see QK625.M7

623.C36

Capnodiaceae

623.C53

Chaetomiaceae

623.C55

Clavicipitaceae

Cryptogams

Fungi

Systematic divisions

Ascomycetes

Special, A-Z -- Continued

- | | |
|-----------|-----------------------------|
| 623.C57 | Clavicipitales |
| 623.D47 | Dermateaceae |
| 623.D55 | Diaporthales |
| | Discomycetes see QK623.A1 |
| 623.D72 | Dothideaceae |
| 623.D74 | Dothideales |
| 623.E4 | Elaphomycetaceae |
| 623.E56 | Endomycetaceae |
| 623.E7 | Erysiphaceae |
| 623.E73 | Erysiphales |
| (623.E85) | Eurotiaceae |
| | see QK623.T75 |
| 623.G55 | Gnomoniaceae |
| 623.G94 | Gymnoascaceae |
| 623.H35 | Helotiaceae |
| 623.H4 | Helvellaceae |
| 623.H76 | Hyaloscyphaceae |
| 623.H86 | Hypocreaceae |
| 623.H87 | Hypomycetaceae |
| 623.H88 | Hysteriaceae |
| 623.L3 | Laboulbeniales |
| 623.L39 | Leotiaceae |
| 623.L6 | Lophiostomaceae |
| 623.M38 | Melanconidaceae |
| 623.M39 | Melanommatales |
| | Meliolaceae see QK623.M4 |
| 623.M4 | Meliolales. Meliolaceae |
| 623.M5 | Microthyriaceae |
| 623.M63 | Monascaceae |
| 623.M65 | Morchellaceae |
| 623.O6 | Ophiostomataceae |
| 623.O75 | Otideaceae |
| | Patellariaceae see QK623.P5 |
| | Penicillium see QK625.M7 |
| 623.P5 | Pezizaceae |
| 623.P53 | Pezizales |
| 623.P6 | Phacidiaceae |
| 623.P63 | Phyllachoraceae |
| 623.P66 | Pleosporaceae |
| 623.P68 | Pleosporales |
| 623.P8 | Pseudosphaeriaceae |
| | Pyrenomycetes see QK623.A1 |

Cryptogams

Fungi

Systematic divisions

Ascomycetes

Special, A-Z -- Continued

- 623.P93 Pyrenulaceae
 623.P95 Pyronemataceae
 623.R45 Rhytismataceae
 623.S23 Saccharomycetaceae
 623.S26 Sarcoscyphaceae
 623.S27 Sarcosomataceae
 623.S3 Sclerotiniaceae
 623.S6 Sordariaceae
 623.S73 Sphaeriaceae
 623.S76 Sphaeriales
 623.T3 Taphrinaceae
 623.T54 Thermoascaceae
 623.T75 Trichocomaceae
 623.T8 Tuberaceae
 623.V35 Valsaceae
 623.V46 Venturiaceae
 623.X9 Xylariaceae
 623.Z64 Zopfiaceae
- Fungi imperfecti (Deuteromycetes)
- 625.A1 General works, treatises, and textbooks
 625.A2-Z Special, A-Z
 625.A48 Agonomycetaceae
 625.C76 Cryptococcaceae
 625.D4 Dematiaceae
 625.E9 Discellaceae see QK625.E9
 Excipulaceae
 Hyphomycetes see QK625.A1
 625.L4 Leptostromataceae
 625.M4 Melanconiaceae
 Melanconiales see QK625.M4
 625.M7 Moniliaceae
 625.M74 Moniliales
 Mucedinaceae see QK625.M7
 625.M9 Mycelia Sterilia
 Nectrioidaceae see QK625.Z9
 Phyllostictaceae see QK625.S5
 Phyllostictales see QK625.S6
 625.R4 Rhizoctonia
 Sphaeroidaceae see QK625.S5
 625.S5 Sphaeropsidaceae
 625.S6 Sphaeropsidales
 Stilbaceae see QK625.S7

Cryptogams

Fungi

Systematic divisions

Fungi imperfecti (Deuteromycetes)

Special, A-Z -- Continued

625.S7

Stilbellaceae

625.T8

Tuberculariaceae

625.Z9

Zythiaceae

Basidiomycota

626

General works, treatises, and textbooks

Teliomycetes

626.3

General works, treatises, and textbooks

626.5

Septobasidiales. Septobasidiaceae

Uredinales (Rust fungi)

627.A1

General works, treatises, and textbooks

627.A2-Z

Special, A-Z

627.M44

Melampsoraceae

627.P97

Pucciniaceae

Ustomycetes

627.3

General works, treatises, and textbooks

627.4

Cryptobasidiales. Cryptobasidiaceae

627.45

Cryptomycocolacales. Cryptomycocolacaceae

Exobasidiales

627.5

General works, treatises, and textbooks

627.53.A-Z

Special, A-Z

627.53.E93

Exobasidiaceae

627.6

Graphiolales. Graphiolaceae

627.7

Platyglloeales. Platyglloeaceae

627.8

Sporidiales. Sporidiobolaceae

Ustilaginales (Smut fungi)

628.A1

General works, treatises, and textbooks

628.A2-Z

Special, A-Z

628.T5

Tilletiaceae

628.U8

Ustilaginaceae

Basidiomycetes

628.5

General works, treatises, and textbooks

629.A-Z

Special, A-Z

629.A4

Agaricaceae

629.A44

Agaricales

629.A53

Amanitaceae

(629.A58)

Aphylophorales

see QK628.5

629.A74

Athiliaceae

629.A8

Auriculales. Auriculariaceae

629.B58

Bolbitiaceae

629.B6

Boletaceae

629.B63

Boletales

Cryptogams

Fungi

Systematic divisions

Basidiomycota

Basidiomycetes

Special, A-Z -- Continued

- | | |
|----------|-----------------------------|
| 629.C3 | Cantharellaceae |
| 629.C33 | Cantharellales |
| 629.C6 | Clavariaceae |
| 629.C783 | Coriolaceae |
| 629.C785 | Corticaceae |
| 629.C787 | Cortinariaceae |
| 629.C95 | Cyphellaceae |
| 629.D2 | Dacrymycetaceae |
| 629.E34 | Echinodontiaceae |
| 629.E56 | Entolomataceae |
| (629.E9) | Exobasidiaceae |
| | see QK627.53.E93 |
| 629.F37 | Favolaschiaceae |
| 629.G18 | Ganodermataceae |
| | Gasteromycetes see QK626+ |
| 629.G4 | Geastraceae |
| | Geastrales see QK629.L92 |
| 629.G6 | Gomphaceae |
| 629.H8 | Hydnaceae |
| 629.H86 | Hygrophoraceae |
| 629.H89 | Hymenochaetaceae |
| 629.H9 | Hymenogastraceae |
| | Hymenomycetes see QK626+ |
| 629.L33 | Lachnocladiaceae |
| 629.L9 | Lycoperdaceae |
| 629.L92 | Lycoperdales |
| 629.M4 | Melanogastraceae |
| 629.N5 | Nidulariales. Nidulariaceae |
| 629.P55 | Peniophoraceae |
| 629.P6 | Phallaceae |
| 629.P63 | Phallales |
| 629.P7 | Polyporaceae |
| 629.P74 | Poriales |
| (629.R5) | Rhodophyllaceae |
| | see QK629.E56 |
| 629.R87 | Russulaceae |
| (629.S4) | Septobasidiaceae |
| | see QK626.5 |
| 629.S73 | Stereaceae |
| 629.S76 | Strobilomycetaceae |
| 629.S77 | Strophariaceae |

- Cryptogams
 - Fungi
 - Systematic divisions
 - Basidiomycota
 - Basidiomycetes
 - Special, A-Z -- Continued
 - Thelephoraceae
 - Tremellaceae
 - Tremellales
 - Tricholomataceae
 - Tulasnellaceae
 - Myxobacterales
 - see QR82.M95
 - Myxomycetes (Slime molds)
 - General works, treatises, and textbooks
 - Special, A-Z
 - Ceratiomyxaceae
 - Dictyosteliaceae
 - Dictyosteliales
 - Physaraceae
 - Plasmodiophoraceae
 - Plasmodiophorales
 - Stemonitaceae
 - Eccrinales
 - see QK621.E3
 - Plant anatomy
 - Including plant morphology
 - Cf. QK665 Embryology
 - Cf. QK671 Histology
 - Cf. QK725 Cytology
- 629.T4
- 629.T67
- 629.T7
- 629.T73
- 629.T8
- (633)
- 635.A1
- 635.A2-Z
- 635.C4
- 635.D5
- 635.D53
- 635.P5
- 635.P6
- 635.P65
- 635.S8
- (638)
- 640
- 640.2
- 640.3
- 640.4
- 641
- 642
- 642.5
- (643)
- 644
- 644.5
- 645

- Plant anatomy
 - Vegetative organs
 - Shoot -- Continued
 - Stem
 - Including bulbs, rhizomes, types of branching
 - 646 General works
 - 646.7 Tree trunks
 - 647 Wood
 - 648 Bark
 - 649 Leaf and modifications. Stipules
 - 650 Appendages
 - Including trichomas, thorns, spines, tendrils, scales, hairs, etc.
 - 651 Thallus
 - Reproductive organs of spermatophytes
 - 652 General works
 - Flower and inflorescence
 - 653 General works
 - 654 Receptacle
 - Perianth
 - 655 General works
 - 656 Calyx
 - 657 Corolla
 - 658 Androecium. Palynology
 - Including stamens, pollen, etc.
 - 659 Gynoecium
 - Including pistils, ovary, etc.
 - Fruit and seed
 - 660 General works
 - 661 Seed
 - Cf. QK898.S43 Seed storage compounds
 - 662 Reproductive organs of cryptogams
 - 663 Alternation of generations
 - 664 Teratology
 - 665 Embryology
 - Including embryos, embryosacs, morphogenesis, spermatogenesis, etc.
 - (667) Phylogeny
 - see QK989
 - 669 Nomenclature of color as applied to plant description
 - 671 Histology
 - 673 Technique
 - Including microscopy, microtechnique, photomicrography

- Plant anatomy -- Continued
- (683-707) Individual parts
see QK644+
- Plant physiology
- 710 Periodicals, societies, serial publications
- 710.2 Congresses
- General works, treatises, and textbooks
- 711 Through 1969
- 711.2 1970-
- 711.5 Juvenile works
- Study and teaching. Research
- 714 General works
- 714.3 Problems, exercises, examinations
- 714.4 Experiments
- 714.5 Laboratory manuals
- Instruments and apparatus
- 715 General works
- 715.5 Phytotrons and growth chambers
- 717 Plant ecophysiology
Including plant resource allocation
For geographic treatment see QK108+
For systematic treatment see QK494+
For physiographic treatment see QK930+
- Physical plant physiology
- 720 Physiology of the vegetative organs (General)
For individual organs and groups of organs
see QK644+
- 725 Plant cells and tissues
- 728 Molecular biology
- Growth. Development
Cf. QK665 Embryology
- 731 General works
- 740 Germination
- 745 Factors influencing growth
- Chemical agents affecting plants
Cf. S631+ Fertilizers
Cf. SB742+ Deficiency diseases
Cf. SD408 Use of fertilizers
- 746 General works, treatises, and textbooks
Including nutritive matter, etc.
- Pollutants
Cf. SB744.5+ Plant pathology
- 750 General works
- 751 Air pollutants
Cf. SB745 Plant pathology
- 753.A-Z Special chemicals, A-Z
- 753.A25 Acids

Plant physiology

Physical plant physiology

Chemical agents affecting plants

Special chemicals, A-Z -- Continued

- 753.A4 Alkaloids
 753.A45 Aluminum
 753.A78 Arsenic
 Ascorbic acid see QK753.V58
 753.A79 Atrazine
 753.A8 Auxin
 753.B4 Benzylaminopurine
 753.B6 Borax
 753.B7 Boron
 753.C16 Cadmium
 753.C2 Calcium
 753.C3 Carbon dioxide
 753.C58 Chelates
 753.C6 Chlorides
 753.C62 Chlorophenoxyacetic acid
 753.C67 Cobalt
 753.C7 Colchicine
 753.C74 Copper
 753.C743 Copper chlorides
 753.D4 Detergents
 753.D5 Dichlorophenoxyacetic acid
 753.E7 Essences and essential oils
 753.E8 Ethylene
 753.F5 Fluorescein
 753.F53 Fluorides
 753.G45 Galactose
 753.G47 Gases
 753.G5 Gibberellins. Gibberellic acid
 753.H4 Heavy metals
 753.H45 Herbicides
 Cf. SB744.25 Herbicide injuries
 753.H93 Hydrogen-ion concentration
 753.I5 Indolacetic acid
 753.I54 Insecticides
 753.I6 Iodine
 753.I7 Iron
 753.L37 Latex
 753.M27 Magnesium
 753.M3 Manganese
 753.M47 Metals
 753.M6 Molybdenum
 753.N5 Nitrates
 753.N54 Nitrogen

Plant physiology

Physical plant physiology

Chemical agents affecting plants

Special chemicals, A-Z -- Continued

- 753.P37 Pentachlorophenol
- 753.P4 Petroleum
- 753.P48 Phosphorus
- 753.P65 Poisons
- 753.P67 Polycyclic aromatic hydrocarbons
- 753.P7 Potassium
- 753.R33 Radioactive substances
 - Cf. SB746 Plant pathology
- 753.S3 Salt
- 753.S32 Salts
- 753.S5 Silicon
- 753.S57 Sodium fluoride
- 753.S6 Sodium sulphate
- 753.S65 Succinic acid
- 753.S7 Sugars
- 753.S8 Sulphates
- 753.S84 Sulphur
- 753.S85 Sulphur dioxide
- 753.T5 Thallium
- 753.T53 Thiamine
- 753.T55 Thioureas
- 753.T7 Trace elements
- 753.T75 Tritium
- 753.V58 Vitamin C
- 753.X45 Xenobiotics
- 753.Z5 Zinc

Physical agents affecting plants (General)

Cf. QK870+ Effect of floods, water levels,
etc.

- 754 General works
- 754.4 Atmosphere
- Climate
 - Cf. QK913 Acclimatization
 - Cf. QK914 Phenology
 - Cf. S600+ Crops and climate
 - Cf. SD390.5+ Forests and climate
- 754.5 General works
- 754.7.A-Z Local see QK108+
- Special topics, A-Z
 - Drought tolerance see QK754.7.D75
 - Droughts. Drought tolerance
 - Cf. SB791 Plant pathology
 - Frost see QK756

- Plant physiology
 - Physical plant physiology
 - Physical agents affecting plants (General)
 - Climate
 - Special topics, A-Z -- Continued
 - 754.7.S55 Snow
 - Temperature see QK755+
 - 754.7.W55 Wind
 - Cf. SB793 Plant pathology
 - Temperature
 - General works
 - 755 Heat
 - 755.5 Including heat production in plants
 - 756 Cold. Frost
 - Cf. SB781 Plant pathology
 - 757 Radiation
 - Including light, X-rays, ultraviolet rays, etc.
 - 758 Electricity
 - 759 Mechanical forces
 - 759.5 Volcanic eruptions
 - 760 Space flight
 - 761 Periodicity. Dormancy. Photoperiodism
 - Aging. Senescence
 - 762.5 General works
 - 763 Shedding of leaves, etc. Abscission
 - 769 Miscellaneous special topics
 - Movements. Irritability in plants
 - 771 General works
 - Movements affecting growth
 - 773 Nutation. Torsion
 - Climbing plants, tendrils, etc.
 - 776 Miscellaneous induced movements
 - Including geotropism, phototropism, heliotropism, etc.
 - 791 Movements of variation (not affecting growth)
 - 793 Mechanics
 - Reproduction
 - Cf. QK982 Hybridization
 - 825 General works
 - 826 Asexual reproduction
 - Sexual reproduction
 - 827 General works
 - 828 Fecundation. Fertilization. Sterility
 - 830 Flowering
 - Cf. SB126.8 Plant culture

Plant physiology

Physical plant physiology -- Continued

- 840 Reparative processes. Regeneration
 Cf. SD406 Tree surgery, etc.
- 844 Luminescence. Light production
- 845 Electrophysiology of plants
 Cf. QK758 Effect of electricity on plants
- Botanical chemistry. Phytochemicals
 Cf. QK981.3 Biochemical genetics
 Cf. QR148 Microbiological chemistry
- 861 General works, treatises, and textbooks
- Analysis and composition of plants
 For chemistry of wood see TS932+
- 865 General works
(866) Chemical analysis of individual plants
 see QK495+
- Nutrition. Plant food. Assimilation of
 nitrogen, etc.
- 867 General works
- Plant-water relationships
 Including general works on the effects of
 water levels and floods on plants
 Cf. SB785 Plant pathology
- 870 General works
- 871 Absorption of water. Osmosis, sap
 movements, wilting, translocation, etc.
- 873 Transpiration. Action of stomata, etc.
- 875 Gases in plants
- 876 Gases from plants
- Metabolism
- 881 General works
- 882 Photosynthesis. Assimilation and
 utilization of carbon dioxide
- 887 Formation of new organic matter
- 891 Respiration
- 894 Anaerobiosis
- 896 Fermentation. Enzymes, diastase, etc.
- 897 Miscellaneous products
- 898.A-Z Special plant constituents, A-Z
- 898.A15 Abscisic acid
- 898.A156 Acetolactate synthase
- 898.A16 Acetylenes
- 898.A18 Adenosine triphosphatase
- 898.A2 Albumins
- 898.A3 Algin
- 898.A4 Alkaloids
 Cf. QD421+ Chemistry

Plant physiology

Botanical chemistry. Phytochemicals

Nutrition. Plant food. Assimilation of
nitrogen, etc.

Special plant constituents, A-Z -- Continued

- 898.A43 Allelochemicals. Allelopathic agents
- 898.A5 Amino acids
- 898.A52 Aminoacyl-tRNA
- 898.A53 Amyloid
- 898.A55 Anthocyanins
- 898.A57 Antioxidants
- 898.A59 Antiviral proteins
- 898.A67 Arabinoglactan
- 898.A7 Ascorbic acid
- 898.A74 Asparagine
- 898.A8 Auxin
- 898.B54 Bioactive compounds
- 898.B56 Biogenic amines
- 898.B85 Brassinosteroids
- 898.C2 Calcium
- 898.C3 Carbohydrates
- 898.C34 Carotenoids
- 898.C35 Carotin
- 898.C42 Cellulose
- 898.C44 Chlorides
- 898.C45 Chlorine
- 898.C5 Chlorophyll
- 898.C6 Cobalt
- 898.C94 Cytokinins
- 898.D44 Deoxyribonucleic acid
- 898.D46 Depsides
- 898.D54 Dimethylpropiothetin
- 898.E58 Enzymes
- 898.E75 Essences and essential oils
- 898.E8 Ethylene
- 898.F3 Fatty acids
- 898.F5 Flavonoids
- 898.F53 Flavonols
- 898.G45 Gibberellins
- 898.G475 Glucose
- 898.G48 Glutamate dehydrogenase
- 898.G485 Glutathione
- 898.G49 Gluten
- 898.G497 Glycoproteins
- 898.G5 Glycosides
- 898.H45 Hemicellulose
- 898.H67 Hormones

Plant physiology

Botanical chemistry. Phytochemicals

Nutrition. Plant food. Assimilation of
nitrogen, etc.

Special plant constituents, A-Z -- Continued

898.I53	Indole alkaloids
898.I55	Inositol
898.I7	Iron
898.I76	Isopentenoids
898.I78	Isoquinoline
898.I8	Isozymes
898.L23	Laccase
898.L3	Latex
898.L42	Lectins
898.L5	Lignin
898.L54	Limonoids
898.L56	Lipids
898.L9	Lycopene
898.M25	Malate dehydrogenase
898.M28	Malonic acid
898.M3	Manganese
898.M8	Mucilage
898.N5	Nicotinic acid
898.N57	Nitrates
898.N58	Nitric oxide
898.N6	Nitrogen
898.N8	Nucleic acids
898.N83	Nucleotides
898.O4	Olive oil
898.O88	Oxalates
898.O9	Oxidases
898.O92	Oxygen
898.P2	Patellaric acid
898.P3	Patulin
898.P4	Pectin
898.P47	Peroxidase
898.P57	Phenols
898.P59	Phosphoproteins
898.P6	Phosphorus
898.P64	Phycobiliproteins
898.P65	Phytin
898.P66	Phytoalexins
898.P67	Phytochrome
898.P677	Phytoliths
898.P68	Phytomelanes
898.P7	Pigments
898.P75	Plumieride

Plant physiology

Botanical chemistry. Phytochemicals

Nutrition. Plant food. Assimilation of
nitrogen, etc.

Special plant constituents, A-Z -- Continued

898.P756

Polyamines

898.P76

Polymers

898.P764

Polyphenols

898.P77

Polysaccharides

898.P79

Protein kinases

898.P8

Proteins

898.P82

Proteolytic enzymes

898.P84

Protochlorophyllide

898.S43

Seed storage compounds

For works limited to special compounds

see the compound, e.g., Proteins see

QK898.P8

898.S45

Selenium

898.S48

Sesquiterpene lactones

898.S49

Sesquiterpenes

898.S55

Shikimic acid

898.S64

Solanine

898.S67

Starch

898.S7

Steroids

898.S78

Sugar

898.S8

Sulphur

898.T2

Tannins

898.T4

Terpenes

898.U68

Uric acid

898.U7

Uronic acids

898.V5

Vitamins

899

Miscellaneous special topics

Plant ecology

Cf. QH540+ General ecology

900

Periodicals. Societies. Serials

900.2

Congresses

900.4

Dictionaries

History

900.7

General works

900.73.A-Z

By region or country, A-Z

901

General works, treatises, and textbooks

(903)

Ecological discussion of areas

see QK108+

(905)

Plant ecophysiology

see QK717

909

Illustrations of floral ecology of regions

- Plant ecology -- Continued
- 909.5 Vegetation productivity. Primary productivity
 Cf. QK564+ Algae
 Cf. QK882 Photosynthesis
 Cf. QK933+ Phytoplankton
 Cf. QK938.F6 Forest ecology
- 910 Vegetation dynamics
- 911 Vegetative interrelation. Plant communities.
 Phytosociology
- Plant adaptation
- 912 General works
- 913 Acclimatization
 Cf. QK754.5+ Vegetation and climate
- 914 Phenology
- Nutritive adaptation
- 915 General works
- 916 Aquatics, ice plants, dew plants
- 917 Insectivorous plants. Carnivorous plants
- 918 Parasites, saprophytes, symbionts
- Protective adaptations
- 921 General works
- 922 Epiphytes, xerophytes, salt-marsh and desert
 plants
 Cf. QK938.D4 Desert flora
 Cf. QK938.S27 Salt marsh flora
- 923 Spines, secretion, raphides
- 924 Myrmecophilism, acarophilism
- 924.5 Plant canopies
- Reproductive interrelation
- 925 General works
- 926 Pollination
- 929 Dissemination
- Physiographic regions (General)
 For geographic treatment see QK108+
- Water
- 930 General works
- 931 Marine
 Cf. QK938.C6 Coasts
- Freshwater
- 932 General works
- 932.7 Streams
 Cf. QK105 Flora
- Phytoplankton
- 933 General works
- 934 Marine
- 935 Freshwater
- Land

Plant ecology

Physiographic regions (General)

Land -- Continued

General

see QK101+ and QK901+

- 936 Tropics
 937 Mountains
 938.A-Z Other special, A-Z
 Bogs see QK938.M3
 938.B8 Burned land
 938.C3 Caves
 Chalk see QK938.L5
 938.C55 Cloud forest plants
 938.C6 Coasts
 938.D4 Deserts
 938.D9 Dunes
 938.F6 Forests
 Cf. QK938.C55 Cloud forest plants
 Cf. QK938.M27 Mangrove forests and swamps
 Cf. QK938.R34 Rain forests
 Cf. QK938.T34 Taigas
 Grasslands see QK938.P7
 938.H4 Heathlands
 938.H44 Hedges. Hegerows
 938.I84 Islands
 938.L5 Limestone, chalk, etc.
 938.M27 Mangrove forests and swamps
 938.M3 Marshes, bogs, swamps, etc.
 Cf. QK938.M27 Mangrove forests and swamps
 Cf. QK938.P42 Peat bogs
 938.M4 Meadows, pastures
 938.M45 Mediterranean-type plants
 Cf. QK314.5 Mediterranean Region
 938.M6 Moors
 938.P3 Paramos
 Pastures see QK938.M4; QK938.M45
 938.P42 Peatlands. Peat bogs
 938.P7 Prairies. Grasslands. Velds
 938.R34 Rain forests
 938.R6 Rocks
 938.S27 Salt marshes. Tide marshes
 Cf. QK922 Halophytes
 Cf. QK938.M27 Mangrove forests and swamps
 938.S3 Sand barrens
 938.S36 Seashore
 938.S4 Semiarid regions
 938.S45 Serpentine

Plant ecology

Physiographic regions (General)

Land

Other special, A-Z -- Continued

938.S57

Shrublands

Swamps see QK938.M3

938.T34

Taigas

Tide marshes see QK938.S27

938.T8

Tundras

Velds see QK938.P7

938.V5

Vineyards

(940-977.5)

Topographical divisions

see QK108+

Evolution of plants (General)

For works limited to specific divisions,
classes, etc. see QK494+For works limited to special crops see
SB177.A+

980

General works

Genetics

981

General works

981.3

Biochemical genetics

981.35

Cytogenetics

981.4

Molecular genetics

981.45

Genome mapping

981.5

Genetic engineering

981.7

Germplasm resources

Cf. SB123.3+ Crop germplasm resources

982

Hybridization

983

Variation

985

Selection, natural and artificial

For works limited to plant-breeding see
SB123+

987

Degeneration

989

Phylogeny

Zoology

For animal ecology see QH540+

For animal culture see SF1+

- 1 Periodicals, societies, congresses, serial publications
- 3 Collected works (nonserial)
- 5 Voyages and expeditions
- 7 Encyclopedias
- 9 Dictionaries
- Communication of information
- 9.2 General works
- 9.3 Information services
- 9.4 Computer network resources
Including the Internet
- Classification. Nomenclature see QL351+
- 10 Terminology, notation, abbreviations
Cf. QL353+ Nomenclature
- History
- 15 General works
- 21.A-Z By region or country, A-Z
- Biography
- 26 Collective
- 31.A-Z Individual, A-Z
e.g.
- 31.A9 Audubon
- 31.C9 Cuvier
- 35 Directories
- General works and treatises
- 41 Early through 1759
- 45 1760-1969
- 45.2 1970-
- 46 Pictorial works and atlases
- 46.5 Zoological illustrating
- Textbooks
- Advanced
- 47 Through 1969
- 47.2 1970-
- Elementary
- 48 Through 1969
- 48.2 1970-
- 49 Juvenile works
Cf. SF75.5 Domestic animals
- 50 Popular works
For stories and anecdotes see QL791+
- 50.5 Zoology as a profession. Vocational guidance
- Study and teaching. Research
- 51 General works

QL

- Study and teaching. Research -- Continued
- 51.2.A-Z By region or country, A-Z
Each region or country subarranged by author
- 51.5 Problems, exercises, examinations
- 52 Outlines, syllabi
- 52.55 Activity programs
- 52.6 Experiments
- 53 Laboratory manuals
Cf. QL812+ Anatomy
Cf. QP44 Physiology
- 55 Laboratory animals
Class here general works only. Prefer systematic divisions for particular groups of animals
Cf. SF405.5+ Breeding and care
Cf. SF996.5 Diseases
- 57 Audiovisual aids
- 58 Other special
- 59 Wildlife attracting
Including gardening to attract wildlife
- 60 Wildlife watching
Including wildlife viewing sites
- 60.4 Radio tracking
- 60.5 Wildlife marking
- 60.7 Age determination
- Collection and preservation
Class here general works only. For works on collecting particular animals or the fauna of particular places, see systematic or geographical subdivisions in QL
Cf. QL465 Insects
Cf. QL677.7 Birds
- 61 General works, treatises, and textbooks
- Collecting techniques
- 62 General works
- 62.5 Immobilization
Cf. SF760.A55 Veterinary medicine
- 63 Taxidermy
Cf. QL618.6 Fish mounting
- 64 Models and modelmaking
- 67 Preservation techniques
- Laboratories, institutes, university departments, etc.
Class here descriptions, catalogs, annual reports, etc.
For serial research publications see QL1
- 69.A1 General works

- Laboratories, institutes, university departments,
etc. -- Continued
- 69.A3-Z By region or country, A-Z
Subarrange each country by Table Q6
- Museums. Exhibitions
Class here descriptions, catalogs, annual
reports, etc.
For serial research publications see QL1
- 71.A1 General works
- 71.A2-Z By region or country, A-Z
Subarrange each country by Table Q5
- 72 Commercial lists
- Menageries
- 73.A1 General works
- 73.A2-Z By region or country, A-Z
Subarrange each country by Table Q5
- Zoos. Zoological gardens
- 76 General works
- 76.5.A-Z By region or country, A-Z
Subarrange each country by Table Q5
- 77.5 Zoo animals
Cf. SF408+ Culture and care
Cf. SF995.84+ Veterinary medicine
- Public aquariums
Cf. SF456+ Home aquariums
- 78 General and freshwater aquariums
- 78.5 Marine aquariums. Saltwater aquariums
- 79.A-Z By region or country, A-Z
Subarrange each country by Table Q5
- 81 Addresses, essays, lectures
- Wildlife conservation. Rare animals. Endangered
species. Wildlife refuges. Wildlife habitat
improvement
Including rare and endangered vertebrates
For conservation of particular animals and
groups of animals, see QL366+
For habitat improvement of game animals see
SK356.W54
Cf. HE5620.W54 Wildlife and traffic safety
Cf. QL676.5+ Bird refuges
Cf. SK351+ Wildlife management. Game protection
Cf. SK590+ Wild animal trade
- 81.5 Periodicals, societies, congresses
- 81.7 History (General)
For history of a particular place see QL84+
- 82 General works
- 83 Juvenile works

- Wildlife conservation. Rare animals. Endangered species. Wildlife refuges. Wildlife habitat improvement -- Continued
- 83.15 Study and teaching. Research
- 83.2 Wildlife rescue
Including wildlife relocation and replacement
Cf. SF996.45 Wildlife rehabilitation
- 83.4 Wildlife reintroduction
By region or country
North America
- 84 General works
United States
- 84.2 General works
- 84.22.A-Z By region or state, A-Z
Canada
- 84.24 General works
- 84.26.A-Z By region or province, A-Z
- 84.28 Mexico
Central America
- 84.285.A1 General works
- 84.285.A3-Z By region, country, or island, A-Z
West Indies
- 84.29.A1 General works
- 84.29.A3-Z By region, country, or island, A-Z
South America
- 84.3.A1 General works
- 84.3.A3-Z By region, country, or island, A-Z
Europe
- 84.4.A1 General works
- 84.4.A3-Z By region, country, or island, A-Z
Asia
- 84.5.A1 General works
- 84.5.A3-Z By region, country, or island, A-Z
Africa
- 84.6.A1 General works
- 84.6.A3-Z By region, country, or island, A-Z
Australia and Indo-Pacific islands
- 84.7.A1 Australia
- 84.7.A3-Z Other. By region, country, or island, A-Z
- 85 Animals and civilization. Human-animal relationships
- 86 Animal introduction
Cf. SB990+ Pest introduction
Cf. SF87 Acclimatization of livestock
- 87 Animals in the ancient world
Bible zoology see BS663
- 87.5 Dead animals

- Extinct animals
 Including extinction
 Cf. QL81.5+ Endangered animals
 Cf. QL676.8 Extinct birds
 Cf. QL707 Extinct mammals
- 88
 88.15.A-Z
 General works
 By region or country, A-Z
- Cryptozoology
- 88.3
 88.5
 General works
 Living fossils
- Alleged animals
 Cf. BF1484 Animal ghosts
 Cf. GR705+ Animal folklore
 Cf. GR825+ Mythical animals
- 89
 89.2.A-Z
 General works
 By animal, A-Z
- Abominable snowman see QL89.2.Y4
- 89.2.B43
 89.2.C53
 89.2.C57
 89.2.L6
 89.2.M58
 89.2.M6
 89.2.M68
 89.2.O34
 89.2.S2
 89.2.S4
 89.2.S44
 89.2.Y4
 (95)
- Beast of Exmoor
 Champ (Monster)
 Chupacabras
 Loch Ness monsters
 Mokele-mbembe
 Morag
 Mothman
 Ogopogo
 Sasquatch
 Sea serpents
 Serpents
 Yeti
- Noxious animals
 see SF84+
- 99
 Medical zoology
 Cf. RA639+ Transmission of disease
- Dangerous animals. Poisonous animals
 Cf. QL468.8 Insects
 Cf. QL618.7 Fishes
 Cf. QP631+ Toxins, venom, poisons
- 100
 100.5
 General works
 Animal attacks
- Geographical distribution
- 101
 General works, treatises, and textbooks
 Polar regions
- 104
 105
 General works
 Arctic regions
 Including Greenland
 Cf. QL126 Arctic Ocean

- Geographical distribution
- Polar regions -- Continued
- 106 Antarctica
Cf. QL126.5 Antarctic Ocean
- 107 Temperate regions
- 109 Tropics
- Physiographic divisions
- Soil
- Cf. QR111+ Soil microorganisms
- 110 General works
- 110.5 Compost
- Land
- 111 Islands
Cf. QL125 Coral reefs
- 112 Forests
- 113 Mountains
Cf. QL254 Alps
- Wetlands
- 113.8 General works
- 114 Marshes. Tidmarshes
- 114.5 Swamps
- 115 Plains
- Grasslands. Prairies
- 115.3 General works
- 115.5 Meadows. Fields
- 116 Deserts
- 117 Caves
- 118 Subterranean waters
- 119 Gardens
- Water
- 120 General works, treatises, and textbooks
- Ocean
- 121 General works
- 122 Popular works
- 122.2 Juvenile works
- 123 Zooplankton
- (124) Animal ecology of the ocean
see QH541.5.S3
- 125 Coral reefs
- 125.5 Deep-sea
- 125.6 Hydrothermal vents
- 126 Arctic Ocean
- 126.5 Antarctic Ocean
- Atlantic Ocean
- 127 General works
- 128 North Atlantic Ocean. North Sea, etc.
- 131 Baltic Sea

- Geographical distribution
- Physiographic divisions
- Water
- Ocean
- Atlantic Ocean -- Continued
- 132 Black Sea. Sea of Azov
- 133 Mediterranean Sea
- 134 Gulf of Mexico
- 134.5 Caribbean Sea
- 135 South Atlantic Ocean
- 137 Indian Ocean. Red Sea
- 137.5 Indo-Pacific Region
- 138 Pacific Ocean
- 139 Brackish water. Estuaries
- Fresh water
- 141 General works
- 142 Water surface. Surface films. Neuston
- 143 Zooplankton
- 145 Streams
- 146 Lakes
- 146.3 Ponds
- 147 Springs
- Including hot springs
- 148 Wells
- 149 Stagnant water
- Topographical divisions (Faunas)
- America
- 150 General works
- North America
- 151 General works
- United States
- 155 General works
- 157.A-Z By region, A-Z
- 157.A84 Atlantic Coast
- 157.N48 New England
- 157.N67 Northeastern States
- 157.P33 Pacific Coast
- 157.S68 Southern States
- 157.S69 Southwestern States
- Including Southwest, New
- 159 Alabama
- 161 Alaska
- 162 Arizona
- 163 Arkansas
- 164 California
- 165 Colorado
- 166 Connecticut

Geographical distribution
Topographical divisions (Faunas)

America

North America

United States -- Continued

167	Delaware
168	District of Columbia
169	Florida
171	Georgia
	Hawaii see QL345.H3
172	Idaho
173	Illinois
175	Indiana
176	Iowa
177	Kansas
178	Kentucky
179	Louisiana
181	Maine
182	Maryland
183	Massachusetts
184	Michigan
185	Minnesota
186	Mississippi
187	Missouri
188	Montana
189	Nebraska
191	Nevada
192	New Hampshire
193	New Jersey
194	New Mexico
195	New York
196	North Carolina
197	North Dakota
198	Ohio
199	Oklahoma
201	Oregon
202	Pennsylvania
203	Rhode Island
204	South Carolina
205	South Dakota
206	Tennessee
207	Texas
208	Utah
209	Vermont
211	Virginia
212	Washington
213	West Virginia

Geographical distribution

Topographical divisions (Faunas)

America

North America

United States -- Continued

214

Wisconsin

215

Wyoming

Including Yellowstone National Park

Canada

219

General works

221.A-Z

By region or province, A-Z

Latin America

223

General works

225

Mexico

Central America

227

General works

228.A-Z

By region or country, A-Z

West Indies. Caribbean Area

229.A2

General works

229.A4-Z

By individual island or group of islands,
A-Z

229.A58

Antilles, Lesser

229.B3

Bahamas

229.C39

Cayman Islands

229.C9

Cuba

229.D65

Dominica

229.H35

Haiti

229.H57

Hispaniola

229.I5

Inagua

229.L4

Leeward Islands

229.P6

Puerto Rico

229.T7

Trinidad

229.V57

Virgin Islands

234

Bermuda

South America

235

General works

By region or country

239

Argentina

241

Bolivia

242

Brazil

243

Chile

244

Colombia

245

Ecuador

For Galapagos Islands see QL345.G2

246

Guyana (British Guiana)

246.2

Suriname (Dutch Guiana)

246.4

French Guiana

Geographical distribution

Topographical divisions (Faunas)

America

Latin America

South America

By region or country -- Continued

247

Paraguay

247.4

Paraná River

248

Peru

249

Uruguay

251

Venezuela

Atlantic Ocean islands

252.A1

General works

252.A3-Z

By individual island or group of islands, A-Z

Bermuda see QL234

252.C35

Cape Verde

252.F32

Faroe Islands

Europe

253

General works

254

Regions not limited to a single country (not
A-Z)Including Alps, Balkan Peninsula, Baltic
States, etc.

British Isles. Great Britain

255

General works

256

England

257

Ireland

257.5

Northern Ireland

258

Wales

259

Scotland

261

Austria

262

Hungary

France

263

General works

264

Colonies and mandated territories

265

Germany

271

Greece

273

Italy

273.5

Malta

275

Netherlands

277

Belgium

278

Luxembourg

281

Russia. Soviet Union. Russia (Federation)

Cf. QL331 Russia in Asia. Siberia

Cf. QL332+ Central Asia

Cf. QL333.7 Caucasus

282

Belarus

Geographical distribution

Topographical divisions (Faunas)

Europe -- Continued

- 282.5 Moldova
- 283 Ukraine
- 284 Poland
- 285 Finland
- 286 Scandinavia (General)
- Denmark
- 287 General works
- Faroe Islands see QL252.F32
- 288 Iceland
- 289 Norway
- 291 Sweden
- 293 Spain
- 294 Portugal
- Including the Azores, Madeira, etc.
- 296 Switzerland
- 297 Turkey in Europe
- For Balkan Peninsula (General) see QL254
- For individual Balkan countries see
QL298.A+
- For Turkey in Asia see QL333.5
- 298.A-Z Other European countries, A-Z
- 298.B8 Bulgaria
- 298.C8 Czechoslovakia. Czech Republic
- 298.E86 Estonia
- 298.L3 Latvia
- 298.L58 Lithuania
- 298.R8 Romania
- 298.S65 Slovakia
- 298.Y8 Yugoslavia

Asia

- 300 General works
- 304 Afghanistan
- 305 Arabian Peninsula (General)
- For individual countries see QL334.A+
- (306) Baluchistan
- 307 China
- 307.2 Taiwan
- 308 East Indies
- 309 India
- Indochina. Malay Peninsula
- 312 General works
- 313 Vietnam
- 314 Cambodia
- 315 Laos

Geographical distribution

Topographical divisions (Faunas)

Asia

East Indies

Indochina. Malay Peninsula -- Continued

317

Thailand

318

Straits Settlements

Malay Archipelago

319

General works

319.5

Borneo. Kalimantan

320

Brunei

321

Indonesia

For Kalimantan see QL319.5

For Papua see QL322.5

322

Malaysia

322.5

New Guinea

Including Papua (Indonesia) and Papua

New Guinea

323

Philippines

Japan

325

General works

325.3

Ryukyu Islands

Including Okinawa

327

Korea

329

Iran

331

Russia in Asia. Siberia

Central Asia

332

General works

332.3

Kazakhstan

332.4

Kyrgyzstan

332.5

Tajikistan

332.6

Turkmenistan

332.7

Uzbekistan

333

Israel. Palestine

333.3

Syria

333.5

Turkey in Asia. Asia Minor

333.7

Caucasus

Including Armenia, Azerbaijan, Georgia

(Republic)

334.A-Z

Other regions or countries, A-Z

(334.A75)

Asia, Western

see QL334.M53

334.B34

Bangladesh

334.B87

Burma

334.C4

Ceylon. Sri Lanka

334.M53

Middle East

334.M65

Mongolia

Geographical distribution

Topographical divisions (Faunas)

Asia

Other regions or countries, A-Z -- Continued

334.N44

Nepal

334.O53

Oman

334.P4

Pakistan

334.S28

Saudi Arabia

Sri Lanka see QL334.C4

(334.T87)

Turkmenistan

see QL332.6

Africa

336

General works

337.A-Z

By region or country, A-Z

337.A44

Algeria

337.A5

Angola

337.B44

Benin

337.B68

Botswana. Bechuanaland

337.B8

British East Africa

337.B9

Burkina Faso. Upper Volta

337.B94

Burundi

337.C25

Cameroon

Cape Verde see QL252.C35

337.C44

Central African Republic

337.C48

Chad

337.C57

Congo (Brazzaville)

337.C58

Congo (Democratic Republic). Zaire

Côte d'Ivoire see QL337.I8

337.D53

Djibouti

337.E25

East Africa

337.E3

Egypt

337.E75

Equatorial Guinea

337.E76

Eritrea

337.E8

Ethiopia

337.F7

French-speaking Equatorial Africa

337.F75

French-speaking West Africa

337.G32

Gabon

337.G34

Gambia

337.G56

Ghana

337.G77

Guinea

337.G8

Guinea-Bissau

337.I8

Ivory Coast. Côte d'Ivoire

337.K3

Kalahari Desert

337.K4

Kenya

337.L46

Lesotho

337.L7

Liberia

337.L72

Libya

Geographical distribution

Topographical divisions (Faunas)

Africa

By region or country, A-Z -- Continued

- 337.L83 Luangwa Valley
 337.M2 Malagasy Republic. Madagascar
 337.M28 Malawi
 337.M33 Mali
 337.M37 Mauritania
 Mauritius see QL337.6.M36
 337.M65 Morocco
 337.M7 Mozambique
 337.N27 Namibia
 337.N47 Niger
 337.N5 Nigeria
 Rhodesia, Northern see QL337.Z3
 Rhodesia, Southern. Zimbabwe
 337.R4 Rwanda
 337.R95 Sahara
 337.S3 São Tomé and Príncipe
 337.S34 Senegal
 337.S44 Sierra Leone
 337.S6 Somalia
 337.S65 South Africa
 337.S66 Southern Africa
 Southwest Africa see QL337.N27
 337.S78 Sub-Saharan Africa
 337.S8 Sudan
 337.S93 Swaziland
 337.T27 Tanganyika, Lake
 337.T3 Tanzania
 337.T7 Togo
 337.T84 Tunisia
 337.U35 Uganda
 337.W4 West Africa
 337.W45 Western Sahara
 337.Z3 Zambia
 Zimbabwe see QL337.R4

Indian Ocean islands

- 337.5 General works
 337.6.A-Z By island or group of islands, A-Z
 337.6.M34 Maldives
 337.6.M36 Mauritius

Australia

- 338 General works
 339.A-Z By state or territory, A-Z

- Geographical distribution
- Topographical divisions (Faunas) -- Continued
- 340 New Zealand
Including adjacent islands
- Pacific islands
- 345.A1 General works
- 345.A3-Z By individual island or group of islands, A-Z
- 345.C65 Cook Islands
- 345.F53 Fiji
- 345.G2 Galapagos Islands
- 345.G83 Guam
- 345.H3 Hawaii
- 345.M3 Marquesas Islands
- 345.M34 Marshall Islands
- 345.N3 New Caledonia
New Guinea see QL322.5
Ryukyu Islands see QL325.3
- 345.T3 Tahiti
- 345.T65 Tonga
- Arctic regions, Antarctica see QL104+
- Tropics see QL109
- Classification. Systematics and taxonomy
- 351 Principles
- 352 Systems
- Nomenclature
- 353 General works. Principles
- 354 Nomenclators and checklists
- 355 Popular names
- Invertebrates
- 360 Dictionaries and encyclopedias
- 362 General works, treatises, and textbooks
- 362.4 Juvenile works
- Rare and endangered species
- 362.45 General works
- 362.46.A-Z By region or country, A-Z
- 362.5 Classification
- 362.7 Catalogs and collections
- 362.75 Evolution
- 362.8 Methods, culture, etc.
- 362.85 Immunology
- 362.9 Genetics
- 363 Anatomy and morphology
- 363.5 Metamorphosis
- 363.8 Cytology
- 364 Physiology
- 364.15 Reproduction

Invertebrates -- Continued

- 364.18 Development
Including larvae
- 364.2 Behavior
- 364.3 Feeding and feeds
- 364.4 Ecology
- 364.5 Coloniality. Animal colonies
Class here works on groupings of physically interconnected animals having a common ancestry through asexual reproduction
- 365 Animalcules. Early works on infusoria
Geographical distribution
For geographical distribution of systematic divisions, see the division, e. g. QL366+, Protozoa
- 365.3 General works
Physiographic divisions
- 365.34 Soil
Aquatic
- 365.36 General works
- 365.363 Marine
- 365.365 Freshwater
- Topographic divisions
- 365.4 North America (United States and Canada)
(Table Q3)
Latin America
- 365.43 General works
- 365.44 Mexico, Central America, and West Indies
(Table Q3)
- 365.45 South America (Table Q3)
- 365.46 Atlantic Ocean and islands (Table Q3)
- 365.47 Europe (Table Q3)
- 365.48 Asia (Table Q3)
- 365.5 Africa (Table Q3)
- 365.53 Indian Ocean and islands (Table Q3)
- 365.54 Australia
- 365.55 New Zealand
- 365.56 Pacific Ocean and islands. Oceania (Table Q3)
- 365.57 Arctic Ocean and regions
- 365.58 Antarctic Ocean and Antarctica
- 365.6 Tropics
- Protozoa
Cf. QR251+ Pathogenic protozoa
- 366 General works, treatises, and textbooks
- 366.5 Classification

Invertebrates

Protozoa -- Continued

Geographical distribution

For geographical distribution of systematic divisions see QL368.A115+

- 367 General works
- 367.1 North America (United States and Canada)
(Table Q3)
- 367.2 Mexico, Central America, and West Indies
(Table Q3)
- 367.3 South America (Table Q3)
- 367.4 Europe (Table Q3)
- 367.5 Asia (Table Q3)
- 367.6 Africa (Table Q3)
- 367.7 Australia
- 367.75 New Zealand
- 367.8 Pacific islands (Table Q3)
- 367.9 Arctic regions
- 367.95 Antarctica
- 367.96 Tropics
- Systematic divisions
- 368.A115 Plasmodium
- 368.A12 Mastigophora (Phytomastigia; Zoomastigia).
Flagellata
- 368.A14 Sarcodina (Rhizopoda; Actinopoda)
- 368.A16 Sporozoa
- 368.A18 Cnidosporida
- 368.A2 Ciliophora
- 368.A22 Ciliata (Holotricha; Spirotricha; Peritricha)
Suctoria see QL368.S9
- 368.A3-Z By order or higher taxa, A-Z
Class works on species, genera, and families by order
- 368.A32 Acantharia
- 368.A33 Acanthometrida
- 368.A335 Acanthophractida
- 368.A36 Aconchulinida
- 368.A38 Acrasida
- 368.A4 Actinomyxida
- 368.A44 Actinophryida
- 368.A5 Amoebida
- 368.A57 Apostomatida
- 368.A63 Arcellinida
- 368.A66 Archigregarinida
- 368.A8 Astomatida
- 368.A85 Athalamida
- 368.B5 Bicosoecida

Invertebrates

Protozoa

Systematic divisions

By order or higher taxa, A-Z -- Continued

368.B55	Blastocystida
368.C4	Centrohelida
368.C48	Chloromonadida
368.C5	Choanoflagellida
368.C54	Chonotrichida
368.C57	Chrysomonadida
368.C59	Coccidia
368.C6	Coccolithophorida
368.C8	Cryptomonadida
	Ctenostomatida see QL368.O4
368.D4	Desmothoracida
(368.D6)	Dinoflagellida
	see QK569.D56
368.D65	Diplomonadida
368.E2	Ebriida
368.E5	Entodiniomorphida
(368.E9)	Euglenida
	see QK569.E93
368.E92	Eugregarinida
368.E95	Eumycetosoida
368.F6	Foraminiferida
368.G8	Gregarinida
368.G85	Gromiida
368.G9	Gymnostomatida
368.H33	Haemosporida
368.H34	Haplosporida
368.H4	Helicosporida
368.H5	Heliozoida
368.H53	Heterochlorida. Xanthomonadida
368.H55	Heterotrichida
368.H87	Hymenostomatida
368.H9	Hypermastigida
368.H95	Hypotrichida
	Infusoria see QL366
368.K5	Kinetoplastida
368.L3	Labyrinthulida
368.L62	Lobosa
368.M5	Microsporida
368.M78	Mycetozoida
368.M8	Myxosporida
368.N4	Neogregarinida
368.O3	Oculosida
368.O4	Odontostomatida. Ctenostomatida

Invertebrates

Protozoa

Systematic divisions

By order or higher taxa, A-Z -- Continued

- 368.O5 Oligotrichida
 368.O7 Opalinida
 368.O9 Oxynomadida
 368.P4 Peritrichida
 Phytomonadida see QL368.V6
 368.P52 Piroplasmida
 368.P55 Plasmodiophorida
 368.P62 Polymastigida
 368.P65 Porulosida
 368.P7 Proteomyxida
 368.P74 Protococcida
 Protomastigida see QL368.P76
 368.P76 Protomonadida. Protomastigida
 368.R2 Radiolarida
 368.R43 Retortamonadida
 368.R5 Rhizomastigida
 Sarcosporida see QL368.T6
 (368.S5) Silicoflagellida
 see QK569.S53
 368.S9 Suctorida
 368.T4 Testacida
 368.T5 Thigmotrichida
 368.T55 Tintinnida
 368.T6 Toxoplasmodida. Sarcosporida
 368.T7 Trichomonadida
 368.T76 Trichostomatida
 368.V6 Volvocida. Phytomonadida
 Xanthomonadida see QL368.H53
 368.X4 Xenophyophorida
 369 Anatomy and morphology
 369.2 Physiology
 Porifera (Sponges)
 370.7 Periodicals, societies, congresses, serial
 collections
 371 General works, treatises, and textbooks
 371.2 Pictorial works and atlases
 371.4 Popular works
 371.6 Juvenile works
 Geographical distribution
 For geographical distribution of systematic
 divisions see QL373.A+
 372 General works

Invertebrates

Porifera (Sponges)

Geographical distribution -- Continued

- 372.1 North America (United States and Canada)
(Table Q3)
- 372.2 Mexico, Central America, and West Indies
(Table Q3)
- 372.3 South America (Table Q3)
- 372.4 Europe (Table Q3)
- 372.5 Asia (Table Q3)
- 372.6 Africa (Table Q3)
- 372.7 Australia
- 372.75 New Zealand
- 372.8 Pacific islands (Table Q3)
- 372.9 Arctic regions
- 372.95 Antarctica
- 372.96 Tropics

- 373.A-Z Systematic divisions. By class, A-Z
Class here works on species, genera,
families and orders

- 373.C2 Calcispongiae (Calcarea)
- 373.D4 Demospongiae
- 373.H6 Hyalospongiae (Hexactinellida)

- 374 Anatomy and morphology
- 374.2 Physiology

Cnidaria

- 375 General works, treatises, and textbooks
- 375.2 Pictorial works and atlases
- 375.4 Popular works
- 375.6 Juvenile works

Geographical distribution

For geographical distribution of systematic
divisions see QL377.A+

- 376 General works
- 376.1 North America (United States and Canada)
(Table Q3)
- 376.2 Mexico, Central America, and West Indies
(Table Q3)
- 376.3 South America (Table Q3)
- 376.4 Europe (Table Q3)
- 376.5 Asia (Table Q3)
- 376.6 Africa (Table Q3)
- 376.7 Australia
- 376.75 New Zealand
- 376.8 Pacific islands (Table Q3)
- 376.9 Arctic regions
- 376.95 Antarctica

Invertebrates

Cnidaria

Geographical distribution -- Continued

376.96

Tropics

377.A-Z

Systematic divisions. By class, A-Z

Anthozoa (Corals)

377.C5

General works

377.C6

Alcyonaria

377.C7

Zoantharia

Ctenophora see QL380+

377.H9

Hydrozoa (Hydromedusae; hydroids)

377.S4

Scyphozoa (Scyphomedusae; jellyfish)

378

Anatomy and morphology

378.2

Physiology

379

Zoophyta (old sense)

Ctenophora

380

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of systematic divisions see QL380.5.A+

380.3

General works

380.32

North America (United States and Canada)
(Table Q3)

380.35

Mexico, Central America, and West Indies
(Table Q3)

380.37

South America (Table Q3)

380.4

Europe (Table Q3)

380.42

Asia (Table Q3)

380.44

Africa (Table Q3)

380.46

Australasia and Indo-Pacific islands (Table
Q3)

380.48

Polar regions

380.49

Tropics

380.5.A-Z

Systematic divisions. By classes and orders

Class works on species, genera, and families
by order

380.5.N8-.N83

Nuda

380.5.N8

General works

380.5.N83

Beroida

380.5.T4-.T47

Tentaculata

380.5.T4

General works

380.5.T42

Cestida

380.5.T429

Cydippida

380.5.T45

Lobata

380.5.T47

Platyctenea

380.7

Anatomy and morphology

380.8

Physiology

Invertebrates -- Continued

Echinodermata

- 381 General works, treatises, and textbooks
- 382 Classification
- 382.2 Catalogs and collections
- Geographical distribution
For geographical distribution of systematic divisions see QL384.A+
- 383 General works
- 383.1 North America (United States and Canada)
(Table Q3)
- 383.2 Mexico, Central America, and West Indies
(Table Q3)
- 383.3 South America (Table Q3)
- 383.35 Atlantic islands (Table Q3)
- 383.4 Europe (Table Q3)
- 383.5 Asia (Table Q3)
- 383.6 Africa (Table Q3)
- 383.7 Australia
- 383.75 New Zealand
- 383.8 Pacific islands (Table Q3)
- 383.9 Arctic regions
- 383.95 Antarctica
- 383.96 Tropics
- 384.A-Z Systematic divisions. By class, A-Z
Class works on species, genera, families,
and orders by class
- 384.A8 Asteroidea (Starfish)
- 384.C8 Crinoidea
- 384.E2 Echinoidea (Sea urchins)
- 384.H7 Holothurioidea (Sea cucumbers)
- 384.O6 Ophiuroidea (Brittle stars)
- 385 Anatomy and morphology
- 385.2 Physiology
- Worms and other vermiform invertebrates
- 386.A1 Periodicals, societies, congresses, serial
publications
- 386.A3-Z General works, treatises, and textbooks
Cf. QL392.A1+ Helminthology
- 386.6 Juvenile works
- 387 Classification
- 387.2 Catalogs and collections
- Geographical distribution
For geographical distribution of systematic divisions see QL391.A+
- 388 General works, treatises, and textbooks

Invertebrates

Worms and other vermiform invertebrates

Geographical distribution -- Continued

- 388.1 North America (United States and Canada)
(Table Q3)
- 388.2 Mexico, Central America, and West Indies
(Table Q3)
- 388.3 South America (Table Q3)
- 388.4 Europe (Table Q3)
- 388.5 Asia (Table Q3)
- 388.6 Africa (Table Q3)
- 388.7 Australia
- 388.75 New Zealand
- 388.8 Pacific islands (Table Q3)
- 388.9 Arctic regions
- 388.95 Antarctica
- 388.96 Tropics
- 391.A-Z Systematic divisions. By phylum, A-Z
- 391.A2 Acanthocephala (Spiny-headed worms)
- 391.A6 Annelida (Segmented worms)
- Cestoda see QL391.P7
- 391.C6 Chaetognatha (Arrowworms)
- 391.E2 Echiura
- 391.G2 Gastrotricha
- Gephyrea (Gastrotricha) see QL391.E2
- Gephyrea (Sipuncula) see QL391.S5
- 391.G63 Gnathostomulida
- Hirudinea see QL391.A6
- 391.K5 Kinorhyncha (Echinodera)
- 391.L67 Loricifera
- 391.M4 Mesozoa
- 391.N4 Nematoda (Roundworms)
- 391.N5 Nematomorpha (Gordiacea; horsehair worms)
- 391.N6 Nemertina (Rhynchocoela; ribbonworms)
- Oligochaeta see QL391.A6
- Onychophora see QL448
- Pentastomida see QL447.3
- 391.P5 Phoronida
- 391.P7 Platyhelminthes (Flatworms)
- 391.P85 Pogonophora (Beardworms)
- Polychaeta see QL391.A6
- 391.P93 Priapulida
- 391.R8 Rotifera
- 391.S5 Sipuncula
- Trematoda see QL391.P7
- Turbellaria see QL391.P7

Invertebrates

Worms and other vermiform invertebrates --

Continued

Helminthology

For geographic treatment see QL388+

392.A1 Periodicals, societies, congresses, serial publications

392.A3-Z General works, treatises, and textbooks

393 Anatomy and morphology

394 Physiology

Brachiopoda (Lamp shells)

395 General works, treatises, and textbooks

395.1 Classification

395.15 Catalogs and collectors

Geographical distribution

For geographical distribution of systematic divisions see QL395.8.A+

395.2 North America (United States and Canada)
(Table Q3)395.23 Mexico, Central America, and West Indies
(Table Q3)

395.25 South America (Table Q3)

395.3 Europe (Table Q3)

395.4 Asia (Table Q3)

395.5 Africa (Table Q3)

395.6 Australia

395.63 New Zealand

395.67 Pacific islands (Table Q3)

395.7 Arctic regions

395.75 Antarctica

395.76 Tropics

395.8.A-Z Systematic divisions. By family, A-Z

Class here works on species, genera, and families

For works on higher taxa, see QL395+

395.8.C7 Craniidae

395.8.L7 Lingulidae

395.8.R5 Rhynchonellidae

395.8.T4 Terebratulidae

395.9 Anatomy and morphology

395.95 Physiology

Bryozoa (Ectoprocta; Polyzoa)

396 General works, treatises, and textbooks

396.5 Classification

396.7 Catalogs and collections

Invertebrates

Bryozoa (Ectoprocta; Polyzoa) -- Continued

Geographical distribution

For geographical distribution of systematic divisions see QL398.A+

- 397 General works
- 397.1 North America (United States and Canada)
(Table Q3)
- 397.2 Mexico, Central America, and West Indies
(Table Q3)
- 397.3 South America (Table Q3)
- 397.4 Europe (Table Q3)
- 397.5 Asia (Table Q3)
- 397.6 Africa (Table Q3)
- 397.7 Australia
- 397.75 New Zealand
- 397.8 Pacific islands (Table Q3)
- 397.9 Arctic regions
- 397.95 Antarctica
- 397.96 Tropics
- 398.A-Z Systematic divisions. By order, A-Z
Class here works on species, genera,
families, and orders
Class higher taxa in+
- 398.C5 Cheilostomata
- 398.C8 Ctenostomata
- 398.C9 Cyclostomata
Ectoprocta see QL396+
Entoprocta see QL400+
- 398.L6 Lophopoda
- 399 Anatomy and morphology
- 399.2 Physiology
- 400 Entoprocta (Callyssozoa; Endoprocta)
General works, treatises, and textbooks
Geographical distribution
For geographical distribution of systematic divisions see QL400.5.A+
- 400.3 General works
- 400.32 North America (United States and Canada)
(Table Q3)
- 400.35 Mexico, Central America, and West Indies
(Table Q3)
- 400.37 South America (Table Q3)
- 400.4 Europe (Table Q3)
- 400.42 Asia (Table Q3)
- 400.44 Africa (Table Q3)

Invertebrates

Entoprocta (Callyssozoa; Endoprocta)

Geographical distribution -- Continued

400.46 Australasia and the Indo-Pacific islands
(Table Q3)

400.48 Polar regions

400.49 Tropics

400.5.A-Z Systematic divisions. By family, A-Z

Class here works on species, genera, and families

Class higher taxa in QL400+

400.5.L6 Loxosomatidae

400.5.P4 Pedicellinidae

400.5.U7 Umatellidae

Mollusca

Cf. SH365+ Oyster culture and fisheries

401 Periodicals, societies, congresses, serial publications

402 Collected works (nonserial)

402.3 Dictionaries and encyclopedias

403 General works, treatises, and textbooks

404 Pictorial works and atlases

405 Popular works

405.2 Juvenile works

406 Classification

406.2 Catalogs and collections

406.5 Collection and preservation

406.55 Museums. Exhibitions

406.7 Evolution. Phylogeny. Speciation

Geographical distribution

For geographic distribution of systematic divisions see QL430.1+

Physiographic divisions

Land

407 General works

407.5 Freshwater

Marine

For mollusks of particular coasts and islands see QL411+

408 General works

408.2 Atlantic Ocean

Cf. QL424.5 Atlantic islands

408.5 Pacific Ocean

Cf. QL428.5 Pacific islands

408.7 Indian Ocean

Topographical divisions

North America

Invertebrates

Mollusca

Geographical distribution

Topographical divisions

North America -- Continued

- 411 General works
 413 Canada
 United States
 414 General works
 415.A-Z By region or state, A-Z
 416 Atlantic Coast
 417 Pacific Coast
 (418) Pacific islands
 see QL428.5
 419 Gulf Coast
- Latin America
 420 General works
 421 Mexico
 422 Central America (Table Q3)
 423 West Indies (Table Q3)
 424 South America (Table Q3)
 424.5 Atlantic islands (Table Q3)
 425 Europe (Table Q3)
 426 Asia (Table Q3)
 427 Africa (Table Q3)
 428 Australia
 428.2 New Zealand
 428.5 Pacific islands (Table Q3)
 429 Arctic regions
 429.5 Antarctica
 429.6 Tropics

Systematic divisions

Aplacophora (Solenogasters)

- 430.12 General works and orders
 430.12.A-Z By family, A-Z
 430.12.P76 Proneomeniidae

Polyplacophora (Chitons)

- 430.13 General works and orders
 430.14.A-Z By family, A-Z
 430.14.A26 Acanthochitonidae
 430.14.C47 Chitonidae
 430.14.I83 Ischnochitonidae
 430.14.M64 Mopaliidae

430.15 Monoplacophora

Cephalopoda

- 430.2 General works and orders
 430.3.A-Z By family, A-Z

Invertebrates

Mollusca

Systematic divisions

Cephalopoda

By family, A-Z -- Continued

- 430.3.A73 Architeuthidae
- 430.3.B3 Bathyteuthidae
- 430.3.C72 Cranchiidae
- 430.3.C9 Cycloteuthidae
- 430.3.E56 Enoploteuthidae
- 430.3.J68 Joubiniteuthidae
- 430.3.L8 Loliginidae
- 430.3.N4 Nautilidae
- 430.3.O2 Octopodidae (Octopuses)
- 430.3.O5 Ommastrephidae
- 430.3.O6 Onychoteuthidae
- 430.3.S47 Sepiidae
- 430.3.S49 Sepiolidae (Bobtail squids)
- 430.3.S65 Spirulidae
- 430.3.V35 Vampyroteuthidae

Gastropoda (Snails)

430.4 General works and orders

430.5.A-Z

By family, A-Z

- Abalones see QL430.5.H34
- 430.5.A18 Abysochrysidae
- 430.5.A2 Achatinellidae
- 430.5.A22 Achatinidae
- 430.5.A23 Aciculidae
- 430.5.A24 Aclididae
- 430.5.A26 Acmaeidae
- 430.5.A28 Acroloxidae
- 430.5.A29 Actaeonidae
- 430.5.A45 Aeolidiidae
- 430.5.A5 Amastridae
- Amnicolidae see QL430.5.H9
- 430.5.A57 Ampullariidae
- 430.5.A63 Ancyliidae
- 430.5.A66 Aplysiidae
- 430.5.A69 Architectonicidae
- 430.5.A7 Arionidae
- 430.5.A74 Arminidae
- 430.5.A8 Atlantidae
- 430.5.A85 Atyidae
- Auriculidae see QL430.5.E45
- 430.5.B58 Bithyniidae
- 430.5.B73 Bradybaenidae
- 430.5.B75 Buccinidae

Invertebrates

Mollusca

Systematic divisions

Gastropoda (Snails)

By family, A-Z -- Continued

- 430.5.B8 Bulimulidae
 430.5.B84 Bulinidae
 430.5.C18 Caecidae
 430.5.C22 Calyptraeidae
 430.5.C25 Camaenidae
 430.5.C26 Cancellariidae
 430.5.C3 Cassidae
 430.5.C35 Cavolinidae
 430.5.C38 Cerionidae
 430.5.C4 Cerithiidae
 430.5.C43 Cerithiopsidae
 430.5.C49 Chilinidae
 430.5.C53 Chondropomatidae
 430.5.C56 Chromodorididae
 430.5.C57 Clausiliidae
 430.5.C6 Clionidae
 430.5.C73 Columbellidae
 430.5.C75 Conidae
 430.5.C82 Cowries see QL430.5.C94
 Cyclophoridae
 Cyclostomidae see QL430.5.P63
 Cylindrellidae see QL430.5.U68
 (430.5.C93) Cymatiidae
 see QL430.5.R35
 430.5.C94 Cypraeidae (Cowries)
 430.5.D43 Diastomatidae
 430.5.D55 Dolabriferidae
 430.5.D6 Dorididae
 430.5.E45 Ellobiidae
 430.5.E48 Elysiidae
 430.5.E5 Endodontidae
 430.5.E55 Entoconchidae
 430.5.E6 Epitoniidae
 430.5.E9 Eulimidae
 430.5.F2 Fasciolaridae
 430.5.F53 Ficidae
 430.5.F57 Fissurellidae
 430.5.F58 Flabellinidae
 430.5.G34 Gadiniidae
 430.5.H34 Haliotidae (Abalones)
 430.5.H37 Helicarionidae
 430.5.H4 Helicidae

Invertebrates

Mollusca

Systematic divisions

Gastropoda (Snails)

By family, A-Z -- Continued

- | | |
|-----------|-------------------------------|
| 430.5.H45 | Helicindae |
| 430.5.H46 | Helminthoglyptidae |
| | Hermaeidae see QL430.5.S75 |
| 430.5.H9 | Hydrobiidae |
| 430.5.J3 | Janellidae |
| 430.5.J36 | Janthinidae |
| 430.5.J8 | Juliidae |
| 430.5.L2 | Lamellariidae |
| 430.5.L33 | Lepetidae |
| 430.5.L4 | Limacidae |
| | Limnaeidae see QL430.5.L85 |
| 430.5.L58 | Littorinidae |
| 430.5.L85 | Lymnaeidae |
| 430.5.M3 | Marginellidae |
| | Melaniidae see QL430.5.T45 |
| 430.5.M44 | Melanopsidae |
| 430.5.M47 | Melongenidae |
| 430.5.M57 | Mitridae |
| 430.5.M9 | Muricidae |
| 430.5.N27 | Nacellidae |
| 430.5.N3 | Nassariidae |
| 430.5.N35 | Naticidae |
| 430.5.N5 | Neritidae |
| 430.5.O5 | Olividae |
| 430.5.O73 | Oreohelicidae |
| 430.5.O78 | Orthalicidae |
| 430.5.P15 | Partulidae |
| 430.5.P18 | Patellidae |
| 430.5.P2 | Personidae |
| 430.5.P23 | Phasianellidae |
| 430.5.P25 | Philomycidae |
| 430.5.P33 | Phyllidiidae |
| 430.5.P35 | Phylliroidae |
| 430.5.P37 | Physidae |
| 430.5.P46 | Planaxidae |
| 430.5.P48 | Planorbidae |
| 430.5.P49 | Pleurobranchidae |
| 430.5.P5 | Pleuroceridae |
| 430.5.P6 | Polygyridae |
| 430.5.P63 | Pomatiasidae |
| 430.5.P64 | Pomatiopsidae |
| | Proserpinidae see QL430.5.H45 |

Invertebrates

Mollusca

Systematic divisions

Gastropoda (Snails)

By family, A-Z -- Continued

- 430.5.P9 Pupillidae
 430.5.P92 Pupinidae
 430.5.P95 Pyramidellidae
 430.5.R35 Ranellidae
 430.5.R45 Rhodopidae
 430.5.R48 Rhytididae
 430.5.R57 Rissoidae
 430.5.S25 Scalariidae see QL430.5.E6
 430.5.S56 Scissurellidae
 430.5.S65 Siphonariidae
 430.5.S74 Spiraxidae
 430.5.S75 Stiliferidae
 430.5.S78 Stiligeridae
 430.5.S78 Streptaxidae
 430.5.S8 Strombidae
 430.5.S83 Strophocheilidae
 430.5.S87 Succineidae (Ambersnails)
 430.5.T25 Terebridae
 430.5.T3 Testacellidae
 430.5.T35 Tethyidae
 430.5.T45 Thiaridae
 430.5.T63 Tonnidae
 430.5.T65 Tornidae
 430.5.T7 Tritoniidae
 430.5.T75 Trochidae
 430.5.T78 Truncatellidae
 430.5.T85 Turbinellidae
 430.5.T9 Turbinidae
 430.5.T95 Turridae
 430.5.U68 Urocoptidae
 430.5.U7 Urocyclidae
 430.5.V34 Vaginulidae see QL430.5.V4
 430.5.V36 Valloniidae
 (430.5.V37) Valvatidae
 Vasidae
 see QL430.5.T85
 430.5.V4 Veronicellidae
 430.5.V65 Vitronellidae
 430.5.V7 Viviparidae
 430.5.V75 Volutidae
 430.5.V77 Volutomitridae
 430.5.X46 Xenophoridae

Invertebrates

Mollusca

Systematic divisions

Gastropoda (Snails)

By family, A-Z -- Continued

430.5.Z6

Zonitidae

Bivalvia (Lamellibranchia; pelecypoda; clams)

430.6

General works and orders

430.7.A-Z

By family, A-Z

430.7.A34

Amblemidae

430.7.A4

Anatinidae

430.7.A74

Arcticidae

430.7.A8

Astartidae

430.7.C2

Cardiidae

430.7.C53

Chamidae

430.7.C67

Corbiculidae

430.7.C69

Corbulidae

430.7.C8

Crassatellidae

Cyrenidae see QL430.7.C67

430.7.D55

Dimyidae

430.7.D65

Donacidae

430.7.D8

Dreissenidae

430.7.G23

Gastrochaenidae

430.7.G55

Glossidae

430.7.G78

Gryphaeidae

430.7.H53

Hiatellidae

430.7.H87

Hyriidae

430.7.L35

Lametilidae

430.7.L4

Ledidae

430.7.L5

Limidae

430.7.L8

Lucinidae

430.7.M3

Mactridae

430.7.M37

Margaritiferidae

430.7.M85

Mycetopodidae

430.7.M9

Myidae

430.7.M95

Mytilidae

430.7.N85

Nuculanidae

430.7.N9

Nuculidae

430.7.O9

Ostreidae (Oysters)

430.7.P3

Pectinidae

430.7.P48

Philobryidae

430.7.P5

Pholadidae

430.7.P56

Pinnidae

430.7.P59

Pisidiidae

430.7.P7

Pristiglomidae

430.7.P75

Psammobiidae

430.7.P77

Pteriidae (Pearl oysters)

Invertebrates

Mollusca

Systematic divisions

Bivalvia (Lamellibranchia; pelecypoda; clams)

By family, A-Z -- Continued

430.7.S43

Semelidae

430.7.S5

Siliculidae

430.7.S6

Solenidae (Razor clams)

(430.7.S65)

Sphaeriidae

see QL430.7.P59

430.7.S68

Spondylidae

430.7.T3

Tellinidae

430.7.T4

Teredinidae

430.7.T55

Tindariidae

430.7.T7

Tridacnidae

430.7.U6

Unionidae

430.7.V5

Veneridae

430.8

Scaphopoda (Tusk shells)

431

Anatomy and morphology

431.2

Physiology

431.3

Reproduction and spawning

431.4

Behavior

432

Miscellany and curiosa

Arthropoda

434.A1

Periodicals, societies, congresses, serial publications

434.A3-Z

General works, treatises, and textbooks

434.13

Pictorial works and atlases

434.14

Popular works

434.15

Juvenile works

434.2

Classification

434.3

Catalogs and collections

434.35

Evolution. Speciation

434.4

Study and teaching. Research

434.45

Poisonous arthropods. Dangerous arthropods

Geographical distribution

For geographical distribution of systematic divisions, see the division below

434.5

General works

434.52

North America (United States and Canada)
(Table Q3)

434.53

Mexico, Central America, and West Indies
(Table Q3)

434.54

South America (Table Q3)

434.55

Europe (Table Q3)

434.56

Asia (Table Q3)

434.57

Africa (Table Q3)

Invertebrates

Arthropoda

Geographical distribution -- Continued

- 434.58 Australasia and Indo-Pacific islands (Table Q3)
- 434.59 Polar regions
- 434.6 Tropics
- 434.7 Anatomy and morphology
- 434.715 Cytology
- 434.72 Physiology
- 434.8 Behavior
- Crustacea
- 435.A1 Periodicals, societies, congresses, serial publications
- 435.A3-Z General works, treatises, and textbooks
- 436 Pictorial works and atlases
- 437 Popular works
- 437.2 Juvenile works
- 438 Classification
- 438.2 Catalogs and collections
- 438.5 Evolution. Phylogeny
- Geographical distribution
- For geographical distribution of systematic divisions see QL444.A+
- 441 General works
- 441.1 North America (United States and Canada) (Table Q3)
- 441.2 Mexico, Central America, and West Indies (Table Q3)
- 441.3 South America (Table Q3)
- 441.4 Europe (Table Q3)
- 441.5 Asia (Table Q3)
- 441.6 Africa (Table Q3)
- 441.7 Australia
- 441.75 New Zealand
- 441.8 Pacific islands (Table Q3)
- 441.9 Arctic regions
- 441.95 Antarctica
- 441.96 Tropics
- 444.A-Z Systematic divisions. By subclasses and orders, A-Z
- Class here works on species, genera, and families by order
- Branchiopoda
- 444.B8 General works
- 444.B815 Anostraca (Fairy shrimps)
- 444.B83 Cladocera (Water fleas)

Invertebrates

Arthropoda

Crustacea

Systematic divisions. By subclasses and orders, A-Z

Branchiopoda -- Continued

444.B834 Conchostraca (Clam shrimps)

444.B86 Notostraca (Tadpole shrimps)

444.B9 Branchiura (Fish lice)

444.C4 Cephalocarida

Cirripedia

444.C5 General works

444.C52 Acrothoracica

444.C527 Ascothoracica

444.C57 Rhizocephala

444.C58 Thoracica (Barnacles)

Copepoda

444.C7 General works

444.C72 Calanoida

444.C722 Caligoida

444.C73 Cyclopoida

444.C74 Harpacticoida

444.C75 Lernaepodoida

444.C756 Monstrilloida

444.C76 Notodelphyoida

444.C78 Poecilostomatoid

Entomostraca see QL435+

Malacostraca

444.M3 General works

444.M315 Amphipoda (Sand hoppers; whale lice)

444.M317 Anaspidacea

444.M32 Bathynellacea

444.M328 Cumacea

444.M33 Decapoda (Shrimps; lobsters; crabs)

444.M338 Euphausiacea

444.M34 Isopoda (Pill bugs; wood lice)

444.M347 Leptostraca

444.M35 Mysidacea (Opossum shrimps)

444.M37 Spelaeogriphacea

444.M375 Stomatopoda

444.M378 Stygocaridacea

444.M38 Tanaidacea

444.M384 Thermosbaenacea

444.M9 Mystacocarida

Ostracoda (Seed shrimps)

444.O8 General works

444.O83 Halocyprida

Invertebrates

Arthropoda

Crustacea

Systematic divisions. By subclasses and orders, A-Z

Ostracoda (Seed shrimps) -- Continued

444.O85

Myodocopida

444.O86

Podocopida

445

Anatomy and morphology

445.2

Physiology

447

Pycnogonida (Pantopoda)

447.3

Pentastomida (Linguatulida; tongue worms)

447.5

Tardigrada (Water bears)

447.7

Merostomata (Xiphosura)

448

Onychophora

Myriapoda

449

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of

systematic divisions see QL449.5+

449.3

General works

449.32

North America (United States and Canada)

(Table Q3)

449.35

Mexico, Central America, and West Indies

(Table Q3)

449.37

South America (Table Q3)

449.4

Europe (Table Q3)

449.42

Asia (Table Q3)

449.44

Africa (Table Q3)

449.46

Australasia and Indo-Pacific islands (Table Q3)

449.48

Polar regions

449.49

Tropics

Systematic divisions

Class here works on species, genera, and families by family; high taxa by class

Chilopoda (Centipedes)

449.5

General works and orders

449.55.A-Z

By family, A-Z

449.55.C4

Cermatobiidae

449.55.C7

Craterostigmidae

449.55.C78

Cryptopidae

449.55.D5

Dignathodontidae

449.55.E8

Ethopolyidae

449.55.G4

Geophilidae

449.55.G66

Gonibregmatidae

449.55.G68

Gosibiidae

Invertebrates

Arthropoda

Myriapoda

Systematic divisions

Chilopoda (Centipedes)

By family, A-Z -- Continued

- | | |
|------------|-------------------|
| 449.55.H4 | Henicopidae |
| 449.55.H5 | Himantariidae |
| 449.55.L5 | Lithobiidae |
| 449.55.M4 | Mecistocephalidae |
| 449.55.N4 | Neogeophilidae |
| 449.55.O7 | Oryidae |
| 449.55.S25 | Schendylidae |
| 449.55.S3 | Scolopendridae |
| 449.55.S37 | Scutigerae |
| 449.55.S63 | Sogonidae |
| 449.55.S66 | Soniphilidae |
| 449.55.W3 | Watobiidae |

Diplopoda (Millipedes)

General works and orders

By family, A-Z

- | | |
|-------------|------------------|
| 449.6 | |
| 449.65.A-Z | |
| 449.65.A6 | Andrognathidae |
| 449.65.A8 | Atopetholidae |
| 449.65.B4 | Bianiulidae |
| 449.65.C24 | Callipodidae |
| 449.65.C25 | Cambalidae |
| 449.65.C28 | Caseyidae |
| 449.65.C37 | Chelodesmidae |
| 449.65.C4 | Chordeumidae |
| 449.65.C5 | Cleidogonidae |
| 449.65.C6 | Conotylidae |
| 449.65.C72 | Craspedosomidae |
| 449.65.C79 | Cryptodesmidae |
| 449.65.E87 | Eurymerodesmidae |
| 449.65.E878 | Euryuridae |
| 449.65.G4 | Gervaisiidae |
| 449.65.G5 | Glomeridae |
| 449.65.G53 | Glomeridesmidae |
| 449.65.H37 | Harpagophoridae |
| 449.65.J8 | Julidae |
| 449.65.L4 | Leioderidae |
| 449.65.L9 | Lysiopetalidae |
| 449.65.N4 | Nearctodesmidae |
| 449.65.O6 | Oniscodesmidae |
| 449.65.O95 | Oxydesmidae |
| 449.65.P18 | Pachybolidae |
| 449.65.P22 | Paeromopidae |

Invertebrates

Arthropoda

Myriapoda

Systematic divisions

Diplopoda (Millipedes)

By family, A-Z -- Continued

- 449.65.P27 Paradoxsomatidae
 449.65.P273 Paraiulidae
 449.65.P42 Platydesmidae
 449.65.P427 Platyrrhacidae
 449.65.P64 Polydesmidae
 449.65.P648 Polyxenidae
 449.65.P649 Polyzoniidae
 449.65.R4 Rhinocricidae
 449.65.S56 Siphoniulidae
 449.65.S565 Siphonophoridae
 449.65.S64 Sphaeriodesmidae
 449.65.S645 Sphaerotheridae
 449.65.S65 Spirobolidae
 449.65.S655 Spirostreptidae
 Strongylosomidae see QL449.65.P27
 449.65.S88 Stylodesmidae
 449.65.S95 Synxenidae
 449.65.T56 Tingupidae
 449.65.T75 Trichopolydesmidae
 449.65.V34 Vanhoeffeniidae
 449.65.X9 Xystodesmidae

Paupoda

General works

By family, A-Z

- 449.7
 449.75.A-Z
 449.75.B7 Brachypauropodidae
 449.75.E8 Eurypauropodidae
 449.75.P3 Pauropodidae

Symphyla

General works

By family, A-Z

- 449.8
 449.85.A-Z
 449.85.G4 Geophilellidae
 449.85.S25 Scolopendrellidae
 449.85.S3 Scutigereidae

- 449.9 Anatomy and morphology
 449.92 Physiology

Arachnida (Scorpions; spiders; mites; etc.)

- 451 General works, treatises, and textbooks
 452 Popular works
 452.2 Juvenile works
 452.8 Classification
 453 Catalogs and collections

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.) --

Continued

Geographical distribution

For geographical distribution of
systematic divisions see QL458+

- 453.1 North America (United States and Canada)
(Table Q3)
- 453.2 Mexico, Central America, and West Indies
(Table Q3)
- 453.3 South America (Table Q3)
- 453.35 Atlantic islands (Table Q3)
- 453.4 Europe (Table Q3)
- 453.5 Asia (Table Q3)
- 453.6 Africa (Table Q3)
- 453.7 Australia
- 453.75 New Zealand
- 453.8 Pacific islands (Table Q3)
- 453.9 Arctic regions
- 453.95 Antarctica
- 453.96 Tropics

Systematic divisions

Acari (Acarina). Mites

- 458 General works
- 458.15.A-Z By order, A-Z
- 458.15.A33 Acariformes
- 458.15.O65 Notostigmata see QL458.15.O65
- 458.15.P37 Opilioacariformes
- 458.2.A-Z Parasitiformes
- 458.2.A3 By family, A-Z
- 458.2.A44 Acaridae
- 458.2.A45 Alloptidae
- 458.2.A5 Ameronothridae
- 458.2.A58 Analgidae
- 458.2.A74 Anystidae
- 458.2.A77 Argasidae
- 458.2.B4 Arrenuridae
- 458.2.B7 Bdellidae
- 458.2.C28 Brachychthoniidae
- 458.2.C3 Caeculidae
- 458.2.C37 Carpoglyphidae
- 458.2.C4 Cercomegistidae
- 458.2.C8 Cheyletidae
- 458.2.C9 Cunaxidae
- 458.2.D45 Cytoditidae
- Demodicidae

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Acari (Acarina). Mites

By family, A-Z -- Continued

458.2.D47	Dermanyssidae
458.2.D475	Dermoglyphidae
458.2.D56	Diptilomiopidae
458.2.E45	Echimyopodidae
458.2.E6	Epidermoptidae
458.2.E73	Eremaeidae
458.2.E75	Eriophyidae
458.2.E78	Erythraeidae
458.2.E8	Eupodidae
458.2.E84	Eustathiidae
458.2.E9	Eylaidae
458.2.F3	Falculiferidae
458.2.G34	Galumnidae
	Gamasidae see QL458.2.P3
458.2.G4	Glycyphagidae
458.2.H3	Halacaridae
458.2.H38	Hermanniidae
458.2.H4	Heterocheylidae
458.2.H9	Hydrachnidae
458.2.H98	Hydryphantidae
458.2.I9	Ixodidae
458.2.K5	Knemidokoptidae
458.2.L3	Labidocarpidae
458.2.L33	Laelapidae
458.2.L44	Leeuwenhoeekiidae
458.2.L54	Limnocharidae
458.2.L58	Listrophoridae
458.2.L67	Lordalycidae
458.2.M3	Macronyssidae
458.2.M9	Myobiidae
458.2.M93	Myocoptidae
458.2.N67	Nothridae
458.2.O74	Oribatidae
458.2.P3	Parasitidae
458.2.P35	Penthaleidae
458.2.P37	Phytoptidae
458.2.P4	Phytoseiidae
458.2.P44	Pionidae
458.2.P6	Podapolipodidae
458.2.P65	Pontarachnidae
458.2.P74	Proctophyllodidae

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Acari (Acarina). Mites

By family, A-Z -- Continued

- 458.2.P8 Psoroptidae
 458.2.P85 Pterolichidae
 458.2.P87 Pterygosomatidae
 458.2.P9 Pyemotidae
 458.2.P95 Pyroglyphidae
 458.2.R36 Raphignathidae
 458.2.R45 Rhagidiidae
 458.2.R47 Rhodacaridae
 458.2.R66 Rosensteiniidae
 458.2.S25 Sarcoptidae
 458.2.S3 Scutacaridae
 458.2.S7 Sperchonidae
 458.2.S75 Spinturnicidae
 458.2.S8 Stigmaeidae
 458.2.S89 Syringobiidae
 458.2.S9 Syringophilidae
 458.2.T3 Tarsonemidae
 458.2.T36 Tenuipalpidae
 458.2.T4 Tetranychidae
 458.2.T5 Thyasidae
 458.2.T7 Trachytidae
 458.2.T75 Trombiculidae
 458.2.T76 Trombidiidae
 458.2.U5 Unionicolidae
 458.2.U7 Uropodidae
 458.2.V37 Varroidae
 458.2.X65 Xolalgidae
 458.2.Z4 Zerconidae
- Amblypygi (Phrynichida)
 458.3 General works
 458.32.A-Z By family, A-Z
 458.32.C4 Charonidae
 458.32.P56 Phrynichidae
 458.32.P57 Phrynidae
 458.32.T3 Tarantulidae
- Araneae (Araneida). Spiders
 458.4 General works
 458.42.A-Z By family, A-Z
 458.42.A2 Acanthoectenidae
 458.42.A28 Actinopodidae
 458.42.A3 Agelenidae

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Araneae (Araneida). Spiders

By family, A-Z -- Continued

- | | |
|-------------|----------------------------------|
| 458.42.A4 | Amaurobiidae |
| | Amaurobioididae see QL458.42.A57 |
| 458.42.A45 | Amoxenidae |
| 458.42.A48 | Anapidae |
| 458.42.A5 | Antrodiaetidae |
| 458.42.A57 | Anyphaenidae |
| 458.42.A7 | Araneidae (Orb weavers) |
| 458.42.A73 | Archaeidae |
| | Argiopidae see QL458.42.A7 |
| | Attidae see QL458.42.S24 |
| 458.42.A8 | Atypidae |
| | Aviculariidae see QL458.42.T5 |
| 458.42.B3 | Barychelidae |
| 458.42.C3 | Caponiidae |
| 458.42.C4 | Clubionidae |
| 458.42.C67 | Corinnidae |
| 458.42.C8 | Ctenidae |
| 458.42.C83 | Ctenizidae |
| 458.42.C93 | Cyatholipidae |
| 458.42.D44 | Desidae |
| 458.42.D5 | Dictynidae |
| 458.42.D53 | Diguetidae |
| 458.42.D55 | Dinopidae |
| 458.42.D56 | Dipluridae |
| 458.42.D9 | Dysderidae |
| 458.42.E7 | Eresidae |
| | Eusparassidae see QL458.42.H48 |
| 458.42.F5 | Filistatidae |
| 458.42.G5 | Gnaphosidae |
| 458.42.G7 | Gradungulidae |
| 458.42.H3 | Hadrotarsidae |
| 458.42.H33 | Hahniidae |
| 458.42.H47 | Hersiliidae |
| 458.42.H48 | Heteropodidae |
| 458.42.H6 | Homalonychidae |
| 458.42.H9 | Hypochilidae |
| 458.42.L3 | Lamponidae |
| 458.42.L4 | Leptonetidae |
| 458.42.L55 | Linyphiidae |
| 458.42.L555 | Liocranidae |
| 458.42.L56 | Liphistiidae |

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Araneae (Araneida). Spiders

By family, A-Z -- Continued

458.42.L6	Loxoscelidae
458.42.L9	Lycosidae (Wolf spiders)
458.42.M4	Mecicobothriidae
458.42.M5	Microstigmatidae
458.42.M53	Migidae
458.42.M54	Mimetidae
458.42.M97	Mysmenidae
458.42.N37	Nemesiidae
458.42.N4	Nesticidae
458.42.O3	Ochyroceratidae
458.42.O4	Oecobiidae
458.42.O6	Oonopidae
458.42.O9	Oxyopidae
458.42.P34	Palpimanidae
458.42.P37	Paratropidae
458.42.P39	Philodromidae
458.42.P4	Pholcidae
458.42.P47	Pimoidae
458.42.P5	Pisauridae
458.42.P6	Platoridae
458.42.P64	Plectreuridae
458.42.P7	Prodidomidae
458.42.P8	Psechridae
458.42.P9	Pycnothelidae
458.42.S24	Salticidae (Jumping spiders)
458.42.S3	Scytodidae
458.42.S44	Selenopidae
458.42.S45	Senoculidae
458.42.S5	Sicariidae
	Sparassidae see QL458.42.H48
458.42.S7	Stenochilida
458.42.S73	Stiphidiidae
458.42.S9	Symphytognathidae
458.42.T44	Telmidae
458.42.T45	Tengellidae
458.42.T46	Tetrabelmidae
458.42.T48	Tetragnathidae
458.42.T5	Theraphosidae (Tarantulas)
458.42.T54	Theridiidae (Cobweb weavers)
458.42.T55	Theridiosomatidae
458.42.T56	Thomisidae

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Araneae (Araneida). Spiders

By family, A-Z -- Continued

458.42.T6
458.42.U4
458.42.U7
458.42.Z63
458.42.Z67

Toxopidae
Uloboridae
Urocteidae
Zodariidae
Zoropsidae

Opiliones (Opiliona; Phalangiida)

458.5
458.52.A-Z
458.52.A8
458.52.C6
458.52.G6
458.52.I7
458.52.L44
458.52.N4
458.52.O5
458.52.P45
458.52.P46
458.52.S5
458.52.S9
458.52.T75
458.52.T76

General works

By family, A-Z

Assamiidae
Cosmetidae
Gonyleptidae
Ischyropsalidae
Leiobunidae
Nemastomatidae
Oncopodidae
Phalangiidae
Phalangodidae
Sironidae
Synthetonychidae
Triaenonychidae
Trogulidae

Palpigradi (Palpigradida)

458.55
458.57.A-Z
458.57.E9

General works

By family, A-Z

Eukoenediidae

Pseudoscorpiones (Book scorpions;

Chelonethida; Pseudoscorpionida)

458.6
458.62.A-Z
458.62.C37
458.62.C4
458.62.G3
458.62.H9
458.62.I3
458.62.M4
458.62.N4
458.62.O4
458.62.S9
458.62.T7

General works

By family, A-Z

Chernetidae
Chthoniidae
Garypidae
Hyidae
Ideoroncidae
Menthidae
Neobisiidae
Olpidae
Syarinidae
Tridenchthoniidae

Ricinulei (Ricinuleida; Podogonata;
Rhinogastra)

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Ricinulei (Ricinuleida; Podogonata;

Rhinogastra) -- Continued

458.65

General works

458.67.A-Z

By family, A-Z

458.67.R5

Ricinoididae

Schizomida

458.69

General works

458.692.A-Z

By family, A-Z

458.692.H82

Hubbardiidae

458.692.P75

Protoschizomidae

Schizomidae see QL458.692.H82

Scorpiones (Scorpionida)

458.7

General works

458.72.A-Z

By family, A-Z

458.72.B6

Bothriuridae

458.72.B8

Buthidae

458.72.C4

Chactidae

458.72.C45

Chaerilidae

458.72.D5

Diplocentridae

458.72.E88

Euscorpiidae

458.72.H45

Hemiscorpiidae

458.72.H48

Heteroscorpionidae

458.72.I75

Ischnuridae

458.72.I95

Iuridae

458.72.M52

Microcharmidae

458.72.P75

Pseudochactidae

458.72.S3

Scorpionidae

458.72.S85

Superstitioniidae

458.72.T75

Troglotaosycidae

458.72.U75

Urodacidae

458.72.V4

Vaejovidae

Solpugida (Solifugae; Sun spiders; Wind
scorpions)

458.8

General works

458.82.A-Z

By family, A-Z

458.82.A4

Ammotrechidae

458.82.C4

Ceromidae

458.82.D3

Daesiidae

458.82.E7

Eremobatidae

458.82.G3

Galeodidae

458.82.H4

Hexisopodidae

458.82.K3

Karschiidae

458.82.M4

Melanoblossiidae

Invertebrates

Arthropoda

Arachnida (Scorpions; spiders; mites; etc.)

Systematic divisions

Solpugida (Solifugae; Sun spiders; Wind scorpions)

By family, A-Z -- Continued

458.82.R4

Rhagodidae

458.82.S6

Solpugidae

Uropygi (Thelyphonida; Whip scorpions)

458.85

General works

458.87.A-Z

By family, A-Z

(458.87.S3)

Schizomidae

see QL458.692.H82

458.87.T4

Thelyphonidae

459

Anatomy and morphology

459.2

Physiology

Insects

Cf. SB818+ Economic entomology

461

Periodicals, societies, congresses, serial publications

462

Collected works (nonserial)

462.3

Dictionaries and encyclopedias

462.4

Terminology, notation, abbreviations

462.5

History

463

General works, treatises, and textbooks

464

Field and laboratory manuals

465

Collection and preservation

466

Pictorial works and atlases

467

Popular works

467.2

Juvenile works

467.8

Rare and endangered species

467.9

Extinct insects

468

Classification. Nomenclature

468.2

Catalogs and collections

468.4

Entomology as a profession. Vocational guidance

468.5

Study and teaching. Research

468.7

Evolution. Phylogeny. Speciation

468.8

Poisonous insects. Dangerous insects

Geographical distribution

For geographical distribution of systematic divisions, see QL503+

469

General works

Physiographic divisions

Aquatic

472

General works

- Invertebrates
 - Arthropoda
 - Insects
 - Geographical distribution
 - Physiographic divisions
 - Aquatic -- Continued
 - 472.3 Marine
 - 472.7 Urban
 - Topographic divisions
 - North America
 - 473 General works
 - United States
 - 474 General works
 - 475.A-Z By region or state, A-Z
 - 476 Canada
 - Latin America
 - 476.5 General works
 - 477 Mexico
 - 478 Central America (Table Q3)
 - 479 West Indies (Table Q3)
 - 481 South America (Table Q3)
 - Atlantic islands
 - 481.4 General works
 - 481.5 By individual island or group of islands, A-Z
 - 482 Europe (Table Q3)
 - 483 Asia (Table Q3)
 - 485 Africa (Table Q3)
 - Indian Ocean islands
 - 486 General works
 - 486.3.A-Z By individual island or group of islands, A-Z
 - 487 Australia
 - 487.5 New Zealand
 - 489 Pacific islands (Table Q3)
 - 491 Arctic regions
 - 491.5 Antarctica
 - 491.6 Tropics
 - 492.5 Immunology
 - 493 Genetics
 - 493.5 Molecular entomology
 - 494 Anatomy and morphology
 - 494.5 Metamorphosis
 - 494.8 Cytology
 - Physiology
 - 495 General works
 - 495.5 Development

Invertebrates

Arthropoda

Insects -- Continued

- 496 Behavior. Social life. Instinct
 496.12 Parasitism
 Including parasitic insects and parasitoids
 496.15 Population dynamics
 496.2 Migration
 496.4 Ecology
 496.5 Sound and sound production
 496.7 Flight
 497 Miscellany and curiosa
- Apterygota
- 501 General works, treatises, and textbooks
 Geographical distribution
 For geographical distribution of
 systematic divisions see QL503+
- 502 General works
 502.1 North America (United States and Canada)
 (Table Q3)
 502.2 Mexico, Central America, and West Indies
 (Table Q3)
 502.3 South America (Table Q3)
 502.4 Europe (Table Q3)
 502.5 Asia (Table Q3)
 502.6 Africa (Table Q3)
 502.7 Australia
 502.75 New Zealand
 502.8 Pacific islands (Table Q3)
 502.9 Arctic regions
 502.95 Antarctica
 502.96 Tropics
- Systematic divisions
- Collembola
- 503.A1 General works
 503.A3-Z By family, A-Z
 503.A3 Actaletidae
 503.D5 Dicyrtomidae
 503.E5 Entomobryidae
 503.H9 Hypogastruridae
 503.I8 Isotomidae
 503.N4 Neelidae
 503.O5 Oncopoduridae
 503.O56 Onychiuridae
 503.P6 Poduridae
 503.S6 Sminthuridae
 503.T6 Tomoceridae

Invertebrates

Arthropoda

Insects

Apterygota

Systematic divisions -- Continued

Entotrophi (Diplura)

503.4.A1

General works

503.4.A3-Z

By family, A-Z

503.4.C3

Campodeidae

503.4.J3

Japygidae

503.4.P7

Projapygidae

Protura

503.6.A1

General works

503.6.A3-Z

By family, A-Z

503.6.A3

Acerentomidae

503.6.E6

Eosentomidae

503.6.P7

Protentomidae

Archaeognatha

503.7.A1

General works

503.7.A3-Z

By family, A-Z

503.7.M32

Machilidae

503.7.M44

Meinertellidae

Thysanura

503.8.A1

General works

503.8.A3-Z

By family, A-Z

503.8.L4

Lepismatidae

(503.8.M3)

Machilidae

see QL503.7.M32

(503.8.M4)

Meinertellidae

see QL503.7.M44

503.8.N5

Nicoletiidae

504

Anatomy and morphology

504.2

Physiology

Ephemeroptera (Plectoptera; mayflies)

505

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of

systematic divisions see QL505.3.A+

505.1

General works

505.2

North America (United States and Canada)

(Table Q3)

505.22

Mexico, Central America, and West Indies

(Table Q3)

505.23

South America (Table Q3)

505.24

Europe (Table Q3)

505.25

Asia (Table Q3)

505.26

Africa (Table Q3)

Invertebrates

Arthropoda

Insects

Ephemeroptera (Plecoptera; mayflies)

Geographical distribution -- Continued

505.27

Australasia and Indo-Pacific islands

(Table Q3)

505.28

Polar regions

505.29

Tropics

505.3.A-Z

Systematic divisions. By family, A-Z

Ametropodidae see QL505.3.S5

505.3.B33

Baetidae

505.3.B38

Baetiscidae

505.3.C3

Caenidae

505.3.E64

Ephemerellidae

505.3.E65

Ephemeridae

505.3.H4

Heptageniidae

505.3.L4

Leptophlebiidae

505.3.O4

Oligoneuridae

505.3.P3

Palingeniidae

505.3.P64

Polymitarcidae

505.3.P68

Potamanthidae

505.3.P76

Prosopistomatidae

505.3.S5

Siphonuridae

505.4

Anatomy and morphology

505.42

Physiology

Blattaria (Cockroaches)

505.5

General works

Geographical distribution

For geographical distribution of

systematic divisions see QL505.7.A+

505.51

General works

505.6

North America (United States and Canada)

(Table Q3)

505.62

Mexico, Central America, and West Indies

(Table Q3)

505.63

South America (Table Q3)

505.64

Europe (Table Q3)

505.65

Asia (Table Q3)

505.66

Africa (Table Q3)

505.67

Australasia and Indo-Pacific islands

(Table Q3)

505.68

Polar regions

505.69

Tropics

505.7.A-Z

Systematic divisions. By family, A-Z

505.7.A73

Archiblattidae

505.7.A74

Areolariidae

Invertebrates

Arthropoda

Insects

Blattaria (Cockroaches)

Systematic divisions. By family, A-Z --

Continued

- 505.7.A87 Attaphilidae
 505.7.A88 Atticolidae
 505.7.B4 Blaberidae
 505.7.B48 Blattellidae
 505.7.B485 Blattidae
 505.7.C4 Chorisoneuridae
 505.7.C6 Corydiidae
 505.7.C7 Cryptocercidae
 505.7.D5 Diplopteridae
 505.7.E3 Ectobiidae
 505.7.E7 Epilampridae
 505.7.E9 Euthyrrhaphidae
 505.7.H6 Homoeogamiidae
 505.7.L3 Latindiidae
 505.7.N62 Nocticolidae
 505.7.N68 Nothoblattidae
 505.7.N9 Nyctiboridae
 505.7.O8 Ouloterygidae
 505.7.O9 Oxyhaloidae
 505.7.P33 Panchloridae
 505.7.P34 Panesthiidae
 505.7.P4 Perisphaeriidae
 505.7.P45 Phyllodromiidae
 505.7.P6 Polyphagidae
 505.8 Anatomy and morphology
 505.82 Physiology
- Mantodea (Mantids)
- 505.83 General works, treatises, and textbooks
 Geographical distribution
 For geographical distribution of
 systematic divisions see QL505.9.A+
- 505.84 General works
 505.85 North America (United States and Canada)
 (Table Q3)
 505.855 Mexico, Central America, and West Indies
 (Table Q3)
 505.86 South America (Table Q3)
 505.865 Europe (Table Q3)
 505.87 Asia (Table Q3)
 505.875 Africa (Table Q3)

Invertebrates

Arthropoda

Insects

Mantodea (Mantids)

Geographical distribution -- Continued

505.88 Australasia and Indo-Pacific Islands
(Table Q3)

505.885 Polar regions

505.89 Tropics

505.9.A-Z Systematic divisions. By family, A-Z

505.9.H94 Hymenopodidae

505.9.M35 Mantidae

505.95 Anatomy

505.96 Physiology

Orthoptera (Grasshoppers; locusts; etc.)

506 General works, treatises, and textbooks

Geographical distribution

For geographical distribution of
systematic divisions see QL508.A+

507 General works

507.1 North America (United States and Canada)
(Table Q3)

507.2 Mexico, Central America, and West Indies
(Table Q3)

507.3 South America (Table Q3)

507.4 Europe (Table Q3)

507.5 Asia (Table Q3)

507.6 Africa (Table Q3)

507.7 Australia

507.75 New Zealand

507.8 Pacific islands (Table Q3)

507.9 Arctic regions

507.95 Antarctica

507.96 Tropics

508.A-Z Systematic divisions. By family, A-Z

508.A2 Acrididae (Grasshoppers)

508.A56 Anostomatidae

Bacillidae see QL509.7.P58

Bacteriidae see QL509.7.P53

Bacunculidae see QL509.7.P58

Blattidae see QL505.5+

508.C9 Cylindrachetidae

508.E5 Eneopteridae

508.G7 Gryllacrididae

508.G8 Gryllidae (Cricketts)

(508.G86) Grylloblattidae
see QL509.3

Invertebrates

Arthropoda

Insects

Orthoptera (Grasshoppers; locusts; etc.)

Systematic divisions. By family, A-Z --

Continued

- 508.G87 Gryllotalpidae (Mole crickets)
 508.L45 Lentulidae
 (508.M4) Locustidae see QL508.A2
 Mantidae
 see QL505.9.M35
 508.M6 Mogoplistidae
 508.M9 Myrmecophilidae
 508.O4 Oecanthidae
 508.P34 Pamphagidae
 508.P53 Phasmatidae see QL509.7.P53
 Phasmodidae
 Phylliidae see QL509.7.P58
 508.P6 Pneumoridae
 508.P7 Proscopiidae
 508.R45 Rhabdophoridae
 508.R65 Romaleidae (Lubber grasshoppers)
 508.S7 Stenopelmatidae (Jerusalem crickets)
 508.T38 Tetrigidae (Pigmy grasshoppers)
 508.T4 Tettigoniidae (Katydids; Longhorn
 grasshoppers)
 508.T45 Thericleidae
 Timematidae see QL509.7.P58
 508.T73 Tridactylidae (Pigmy mole crickets)
 508.T74 Trigonidiidae
 509 Anatomy and morphology
 509.2 Physiology
 509.3 Grylloblattodea
 Includes one family, Grylloblattidae
 Phasmatoptera (Phasmida; Stick insects)
 509.5 General works
 Geographical distribution
 For geographical distribution of
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 509.55 General works
 509.6 North America (United States and Canada)
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 509.62 Mexico, Central America, and West Indies
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 509.63 South America (Table Q3)
 509.64 Europe (Table Q3)
 509.65 Asia (Table Q3)

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Insects

Phasmatoptera (Phasmida; Stick insects)

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509.66

Africa (Table Q3)

509.67

Australasia and Indo-Pacific islands
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509.68

Polar regions

509.69

Tropics

509.7.A-Z

Systematic divisions, A-Z

509.7.P53

Phasmatidae

509.7.P58

Phylliidae

Dermaptera (Earwigs)

510

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of
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510.15

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510.2

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510.22

Mexico, Central America, and West Indies
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510.23

South America (Table Q3)

510.24

Europe (Table Q3)

510.25

Asia (Table Q3)

510.26

Africa (Table Q3)

510.27

Australasia and Indo-Pacific islands
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510.28

Polar regions

510.29

Tropics

510.3.A-Z

Systematic divisions. By family, A-Z

510.3.A4

Allostethidae

510.3.A5

Anataeliidae

510.3.A52

Ancistrogastridae

510.3.A54

Anechuridae

510.3.A6

Apachyidae

510.3.A7

Arixeniidae

510.3.B7

Brachylabidae

510.3.C37

Carcinophoridae

510.3.C43

Cheliduridae

510.3.C48

Chelisochidae

510.3.D5

Diaperasticidae

510.3.D56

Diplatyidae

510.3.E3

Echinosomatidae

510.3.E8

Esphalmenidae

510.3.E9

Eudorniidae

Invertebrates

Arthropoda

Insects

Dermaptera (Earwigs)

Systematic divisions. By family, A-Z --

Continued

- | | |
|-----------|---------------------|
| 510.3.F6 | Forficulidae |
| 510.3.H4 | Hemimeridae |
| 510.3.K3 | Karschiellidae |
| 510.3.L33 | Labiduridae |
| 510.3.L35 | Labiidae |
| 510.3.N46 | Neolobophoridae |
| 510.3.N48 | Nesogastridae |
| 510.3.O6 | Opisthocosmiidae |
| 510.3.P3 | Parisolabidae |
| 510.3.P4 | Pericomidae |
| 510.3.P5 | Platylabiidae |
| 510.3.P8 | Psalididae |
| 510.3.P94 | Pygidicranidae |
| 510.3.P97 | Pyragridae |
| 510.3.S6 | Sparattidae |
| 510.3.S66 | Spongiphoridae |
| 510.3.S8 | Strongylopsalididae |
| 510.3.V3 | Vandicidae |

510.4 Anatomy and morphology

510.42 Physiology

Neuroptera

511 General works, treatises, and textbooks

Geographical distribution

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| 512 | General works |
| 512.1 | North America (United States and Canada)
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| 512.2 | Mexico, Central America, and West Indies
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| 512.3 | South America (Table Q3) |
| 512.4 | Europe (Table Q3) |
| 512.5 | Asia (Table Q3) |
| 512.6 | Africa (Table Q3) |
| 512.7 | Australia |
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| 512.8 | Pacific islands (Table Q3) |
| 512.9 | Arctic regions |
| 512.95 | Antarctica |
| 512.96 | Tropics |
| 513.A-Z | Systematic divisions. By family, A-Z |

Invertebrates

Arthropoda

Insects

Neuroptera

Systematic divisions. By family, A-Z --

Continued

- 513.A6 Apochrysidae
 513.A7 Ascalaphidae (Owlflyies)
 513.B4 Berothidae (Beaded lacewings)
 513.C5 Chrysopidae (Lacewings)
 513.C65 Coniopterygidae (Dusty-wings)
 (513.C7) Corydalidae (Dobsonflies)
 see QL514.7.C67
 513.D5 Dilaridae (Pleasing lacewings)
 Embiidae see QL539+
 Ephemeroptera see QL505+
 513.H5 Hemerobiidae (Brown lacewings)
 513.I5 Inoceliidae
 Isoptera see QL529+
 513.I8 Ithonidae
 513.M3 Mantispidae (Mantidflies)
 513.M86 Myiodactylidae
 513.M9 Myrmeleontidae (Antlions)
 513.N4 Nemopteridae
 513.N9 Nymphidae
 Odonata see QL520+
 513.O8 Osmylidae
 Planipennia see QL511+
 Plecoptera see QL530+
 513.P6 Polystoechotidae (Giant lacewings)
 Psocidae see QL515+
 513.P8 Psychopsidae
 (513.R3) Raphidiidae (Snakeflies)
 see QL514.9.R35
 (513.S6) Sialidae (Alderflies)
 see QL514.7.S52
 513.S65 Sisyridae (Spongillaflyies)
 513.S8 Stilbopterygidae
 513.S9 Sympherobiidae
 Termitidae see QL529+
 513.T7 Trichomatidae
 514 Anatomy and morphology
 514.2 Physiology
 Megaloptera
 514.4 General works, treatises, and textbooks

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Arthropoda

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Megaloptera -- Continued

Geographical distribution

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systematic divisions see QL514.7.A+

- 514.5 General works
514.6 North America (United States and Canada)
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514.63 South America (Table Q3)
514.64 Europe (Table Q3)
514.65 Asia (Table Q3)
514.66 Africa (Table Q3)
514.67 Australasia and Indo-Pacific islands
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514.68 Polar regions
514.69 Tropics
514.7.A-Z Systematic divisions. By family, A-Z
514.7.C67 Corydalidae (Dobsonflies)
514.7.S52 Sialidae (Alderflies)
514.8 Anatomy and morphology
514.82 Physiology
- Raphidioptera
- 514.86 General works, treatises, and textbooks
Geographical distribution
For geographical distribution of
systematic divisions see QL514.9.A+
- 514.88 General works
514.8815 North America (United States and Canada)
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514.882 Mexico, Central America, and West Indies
(Table Q3)
514.883 South America (Table Q3)
514.884 Europe (Table Q3)
514.885 Asia (Table Q3)
514.886 Africa (Table Q3)
514.887 Australasia and Indo-Pacific islands
(Table Q3)
514.888 Polar regions
514.889 Tropics
514.9.A-Z Systematic divisions. By family, A-Z
514.9.R35 Raphidiidae (Snakeflies)
514.95 Anatomy and morphology
514.96 Physiology

Invertebrates

Arthropoda

Insects -- Continued

Psocoptera (Corrodentia)

515

General works

515.2.A-Z

Systematic divisions, A-Z

515.2.P4

Peripsocidae

515.2.P73

Pseudocaecillidae

515.5

Zoraptera

Trichoptera (Caddisflies)

516

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of

systematic divisions see QL518.A+

517

General works

517.1

North America (United States and Canada)
(Table Q3)

517.2

Mexico, Central America, and West Indies
(Table Q3)

517.3

South America (Table Q3)

517.4

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517.5

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517.6

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517.7

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517.75

New Zealand

517.8

Pacific islands (Table Q3)

517.9

Arctic regions

517.95

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517.96

Tropics

518.A-Z

Systematic divisions. By family, A-Z

518.A55

Anomalopsychidae

518.B4

Beraeidae

518.B7

Brachycentridae

518.C3

Calamoceratidae

518.G6

Goeridae

518.H4

Helicopsychidae

518.H94

Hydropsychidae

518.H95

Hydroptilidae

518.L48

Leptoceridae

518.L5

Limnephilidae

518.M6

Molannidae

518.O4

Odontoceridae

518.P45

Philopotamidae

518.P47

Phryganeidae

518.P6

Polycentropodidae

518.P8

Psychomyiidae

518.R4

Rhyacophilidae

Invertebrates

Arthropoda

Insects

Trichoptera (Caddisflies)

Systematic divisions. By family, A-Z --

Continued

518.S4

Sericostomatidae

518.X5

Xiphocentronidae

519

Anatomy and morphology

519.2

Physiology

Odonata (Dragonflies, etc.)

520

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of

systematic divisions see QL520.3.A+

520.15

General works

520.2

North America (United States and Canada)

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520.22

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520.23

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520.24

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520.25

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520.26

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520.27

Australasia and Indo-Pacific islands

(Table Q3)

520.28

Polar regions

520.29

Tropics

520.3.A-Z

Systematic divisions. By family, A-Z

520.3.A4

Aeshnidae (Darners)

520.3.A5

Agrionidae

520.3.A6

Amphipterygidae

520.3.C3

Calopterygidae

520.3.C4

Chlorocyphidae

520.3.C64

Coenagrionidae (Narrow-winged damselflies)

520.3.C67

Cordulegastridae (Biddies)

520.3.C68

Corduliidae (Green-eyed skimmers)

520.3.E6

Epallagidae

520.3.E65

Epiophlebiidae

520.3.G6

Gomphidae (Clubtails)

520.3.H44

Heliocharitidae

520.3.H45

Hemiphlebiidae

520.3.L45

Lestidae (Spread-winged damselflies)

520.3.L46

Lestoideidae

520.3.L6

Libellulidae (Skimmers)

520.3.M4

Megapodagrionidae

520.3.P4

Petaluridae (Graybacks)

Invertebrates

Arthropoda

Insects

Odonata (Dragonflies, etc.)

Systematic divisions. By family, A-Z --

Continued

520.3.P53

Platycnemididae

520.3.P58

Platystictidae

520.3.P6

Polythoridae

520.3.P7

Protoneuridae

520.3.P8

Pseudostigmatidae

520.3.S9

Synlestidae

520.4

Anatomy and morphology

520.42

Physiology

Hemiptera (Heteroptera; bugs)

521

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of

systematic divisions see QL523.A+

522

General works

522.1

North America (United States and Canada)
(Table Q3)

522.2

Mexico, Central America, and West Indies
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522.9

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522.95

Antarctica

522.96

Tropics

523.A-Z

Systematic divisions. By family, A-Z

523.A14

Acanthosomatidae

523.A35

Aepophilidae

523.A4

Alydidae

523.A5

Anthocoridae (Flowerbugs)

523.A7

Aradidae (Flatbugs)

523.B4

Belostomatidae (Giant waterbugs)

523.B45

Berytidae

Capsidae see QL523.M5

523.C6

Cimicidae (Bedbugs, etc.)

523.C64

Colobothristidae

523.C67

Coreidae

523.C7

Corimelaenidae

Invertebrates

Arthropoda

Insects

Hemiptera (Heteroptera; bugs)

Systematic divisions. By family, A-Z --

Continued

- | | |
|----------|---------------------------------|
| 523.C75 | Corixidae (Water boatmen) |
| 523.C9 | Cydnidae (Burrower bugs) |
| 523.D5 | Dipsocoridae |
| 523.D74 | Drepanosiphidae |
| 523.D9 | Dysodiidae |
| 523.E65 | Enicocephalidae |
| 523.G4 | Gerridae (Water striders) |
| 523.H4 | Hebridae |
| 523.H44 | Helotrephidae |
| | Henicocephalidae see QL523.E65 |
| | Heteroptera see QL521+ |
| | Homoptera see QL525+ |
| 523.H93 | Hydrometridae |
| 523.H96 | Hyocephalidae |
| 523.I83 | Isodermidae |
| 523.I85 | Isometopidae |
| 523.J6 | Joppeicidae |
| 523.L45 | Leotichidae |
| 523.L46 | Leptopodidae |
| 523.L9 | Lygaeidae |
| 523.M3 | Macroveliidae |
| 523.M4 | Mesoveliidae |
| 523.M47 | Microphysidae |
| 523.M5 | Miridae (Plantbugs) |
| 523.N3 | Nabidae (Damselbugs) |
| 523.N4 | Naucoridae (Creeping waterbugs) |
| 523.N46 | Neididae |
| 523.N5 | Nipidae (Water scorpions) |
| 523.N53 | Nerthridae |
| 523.N6 | Notonectidae (Back swimmers) |
| 523.O3 | Ochteridae |
| 523.P5 | Pentatomidae (Stinkbugs) |
| 523.P53 | Phymatidae (Ambushbugs) |
| 523.P55 | Piesmidae |
| 523.P57 | Plataspidae |
| 523.P576 | Ploiariidae |
| 523.P62 | Podopidae |
| 523.P64 | Polycetenidae |
| 523.P9 | Pyrrhocoridae |
| 523.R4 | Reduviidae (Assassin bugs) |
| 523.R5 | Rhopalidae |

Invertebrates

Arthropoda

Insects

Hemiptera (Heteroptera; bugs)

Systematic divisions. By family, A-Z --

Continued

523.S25

Saldidae (Shorebugs)

523.S3

Schizopteridae

523.S4

Scutelleridae

523.T3

Tahitocoridae

523.T4

Termatophylidae

523.T43

Termitaphididae

523.T48

Thaumastotheriidae

523.T5

Tingidae (Lacebugs)

523.V45

Veliidae

523.V46

Velocipedidae

524

Anatomy and morphology

524.2

Physiology

Homoptera (Aphids; cicadas, etc.)

525

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of
systematic divisions see QL527.A+

526

General works

526.1

North America (United States and Canada)
(Table Q3)

526.2

Mexico, Central America, and West Indies
(Table Q3)

526.3

South America (Table Q3)

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526.75

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526.8

Pacific islands (Table Q3)

526.9

Arctic regions

526.95

Antarctica

526.96

Tropics

527.A-Z

Systematic divisions. By family, A-Z

527.A2

Acanaloniidae

527.A25

Achilidae

527.A259

Achilixiidae

527.A3

Adelgidae

527.A4

Aethialoniidae

527.A44

Agallidae

Aleurodididae see QL527.A5

527.A5

Aleyrodidae (Whiteflies)

Invertebrates

Arthropoda

Insects

Homoptera (Aphids; cicadas, etc.)

Systematic divisions. By family, A-Z --

Continued

- 527.A64 Aphididae (Aphids or plant lice)
 527.A65 Apiomorphidae
 Areopodidae see QL527.D44
 527.A8 Asterolecaniidae (Pit scales)
 527.B9 Bythoscopidae
 527.C35 Callaphididae
 527.C4 Cercopidae (Spittlebugs)
 527.C43 Cerococcidae
 Chermidae see QL527.P88
 527.C49 Cicadellidae (Leafhoppers)
 527.C5 Cicadidae (Cicadas)
 527.C55 Cixiidae
 527.C58 Clastopteridae
 527.C6 Coccidae (Soft scales)
 527.C65 Conchaspidae
 527.C9 Cylindrococcidae
 527.D3 Dactylopiidae (Cochineal insects)
 527.D44 Delphacidae
 527.D47 Derbidae
 527.D5 Diaspididae (Armored scales)
 527.D53 Dictyopharidae
 527.E73 Eriococcidae
 527.E78 Eriosomatidae
 527.E9 Euacanthidae
 527.E97 Eurybrachidae
 527.F4 Flatidae
 527.F9 Fulgoridae
 Gyponidae see QL527.C49
 527.I8 Issidae
 Jassidae see QL527.C49
 527.K4 Kermesidae
 527.K44 Kerridae (Lac scales)
 527.K5 Kinnaridae
 527.K6 Koebeliidae
 Lacciferidae see QL527.K44
 527.L4 Lecaniidae
 527.L44 Ledridae
 527.L6 Lophopidae
 527.M3 Machaerotidae
 527.M32 Macropsidae
 527.M37 Margarodidae

Invertebrates

Arthropoda

Insects

Homoptera (Aphids; cicadas, etc.)

Systematic divisions. By family, A-Z --

Continued

- 527.M4 Meenoplidae
- 527.M45 Membracidae (Treehoppers)
- Monophlebidae see QL527.M37
- 527.N5 Nirvanidae
- 527.N6 Nogodinidae
- 527.O7 Ortheziidae (Ensign scales)
- 527.P3 Paropiidae
- 527.P44 Peloridiidae
- 527.P45 Penthimiidae
- 527.P53 Phenacoleachiidae
- 527.P56 Phylloxeridae
- 527.P6 Pleidae
- 527.P83 Pseudococcidae (Mealybugs)
- 527.P88 Psyllidae (Jumping plant lice)
- 527.P93 Putoidae
- 527.P96 Pythamidae
- 527.R5 Ricaniidae
- 527.S5 Signoretiidae
- 527.S8 Stenocotidae
- Tachardiidae see QL527.K44
- Tettigellidae see QL527.C49
- 527.T43 Tettigometridae
- 527.T5 Thaumastoscopidae
- 527.T6 Tomaspididae
- 527.T7 Tropiduchidae
- 527.U4 Ulopidae
- 528 Anatomy and morphology
- 528.2 Physiology
- Isoptera (Termites)
- 529 General works, treatises, and textbooks
- Geographical distribution
- For geographical distribution of
systematic divisions see QL529.3.A+
- 529.15 General works
- 529.2 North America (United States and Canada)
(Table Q3)
- 529.22 Mexico, Central America, and West Indies
(Table Q3)
- 529.23 South America (Table Q3)
- 529.24 Europe (Table Q3)
- 529.25 Asia (Table Q3)

Invertebrates

Arthropoda

Insects

Isoptera (Termites)

Geographical distribution -- Continued

529.26

Africa (Table Q3)

529.27

Australasia and Indo-Pacific islands
(Table Q3)

529.28

Polar regions

529.29

Tropics

529.3.A-Z

Systematic divisions. By family, A-Z

529.3.H6

Hodotermitidae

529.3.K35

Kalotermitidae

529.3.M3

Mastotermitidae

529.3.R4

Rhinotermitidae

529.3.S47

Serritermitidae

529.3.T4

Termitidae

529.3.T5

Termopsidae

529.4

Anatomy and morphology

529.42

Physiology

Plecoptera (Stoneflies)

530

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of
systematic divisions see QL530.3.A+

530.15

General works

530.2

North America (United States and Canada)
(Table Q3)

530.22

Mexico, Central America, and West Indies
(Table Q3)

530.23

South America (Table Q3)

530.24

Europe (Table Q3)

530.25

Asia (Table Q3)

530.26

Africa (Table Q3)

530.27

Australasia and Indo-Pacific islands
(Table Q3)

530.28

Polar regions

530.29

Tropics

530.3.A-Z

Systematic divisions. By family, A-Z

530.3.A9

Austroperlidae

530.3.C3

Capniidae

530.3.C45

Chloroperlidae

530.3.E9

Eustheniidae

530.3.L47

Leptoperlidae

530.3.L49

Leuctridae

530.3.N4

Nemouridae

530.3.P44

Peltoperlidae

Invertebrates

Arthropoda

Insects

Plecoptera (Stoneflies)

Systematic divisions. By family, A-Z --

Continued

530.3.P47

Perlidae

530.3.P48

Perlodidae

530.3.P8

Pteronarcidae

530.3.T3

Taeniopterygidae

530.4

Anatomy and morphology

530.42

Physiology

Diptera (Flies)

531

General works, treatises, and textbooks

532

Pictorial works and atlases

533

Popular works

533.2

Juvenile works

534

Classification

534.2

Catalogs and collections

Geographical distribution

For geographical distribution of
systematic divisions see QL536+

535

General works

535.1

North America (United States and Canada)
(Table Q3)

535.2

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(Table Q3)

535.3

South America (Table Q3)

535.4

Europe (Table Q3)

535.5

Asia (Table Q3)

535.6

Africa (Table Q3)

535.7

Australia

535.75

New Zealand

535.8

Pacific islands (Table Q3)

535.9

Arctic regions

535.95

Antarctica

535.96

Tropics

Systematic divisions. By family

536

Culicidae (Mosquitoes)

537.A-Z

Other families, A-Z

537.A3

Acroceridae

537.A4

Agromyzidae (Leafminerflies)

537.A45

Allactoneuridae

537.A5

Anthomyiidae

537.A53

Anthomyzidae

537.A6

Apioceridae

537.A85

Asilidae (Robberflies)

Invertebrates

Arthropoda

Insects

Diptera (Flies)

Systematic divisions. By family

Other families, A-Z -- Continued

- 537.A88 Astiidae
 537.A9 Aulacogastridae
 537.B5 Bibionidae (Marchflies)
 537.B56 Blepharoceridae
 537.B64 Bolitophilidae
 537.B65 Bombyliidae (Beeflies)
 537.B7 Braulidae
 537.C24 Calliphoridae (Blowflies)
 537.C25 Canaceidae
 537.C26 Canthyloscelidae
 537.C27 Carnidae
 537.C33 Cecidomyiidae (Gall midges)
 537.C35 Celyphidae
 537.C37 Ceratopogonidae (Biting midges)
 537.C376 Ceroplatidae
 537.C4 Chamaemyiidae
 537.C43 Chaoboridae (Phantom midges)
 537.C455 Chiromyzidae
 537.C456 Chironomidae (Tendipedidae; midges)
 537.C46 Chloropidae
 537.C49 Chyromyiidae
 537.C5 Clusiidae
 537.C56 Cnemospathidae
 537.C634 Coelopidae
 537.C636 Coenomyiidae
 537.C65 Conopidae
 537.C673 Cordyluridae
 Corethridae see QL537.C43
 537.C69 Corynoscelidae
 537.C7 Cryptochaetidae
 Culicidae see QL536
 537.C8 Cuterebridae (Rabbit bots; rodent bots)
 537.C9 Cylindrotomidae
 537.D47 Deuterophlebiidae
 537.D48 Dexiidae
 537.D52 Diadocidiidae
 537.D53 Diastatidae
 537.D56 Diopsidae
 537.D58 Ditomyiidae
 537.D59 Dixidae
 537.D6 Dolichopodidae (Long-legged flies)

Invertebrates

Arthropoda

Insects

Diptera (Flies)

Systematic divisions. By family

Other families, A-Z -- Continued

| | |
|---------|-----------------------------------|
| 537.D76 | Drosophilidae (Vinegarflies) |
| 537.D79 | Dryomyzidae |
| 537.E4 | Empididae (Danceflies) |
| 537.E7 | Ephydriidae |
| | Euribiidae see QL537.T42 |
| 537.G3 | Gasterophilidae (Horse bots) |
| 537.G4 | Glossinidae |
| | Heleidae see QL537.C37 |
| 537.H44 | Helomyzidae |
| 537.H48 | Hesperinidae |
| 537.H54 | Hilarimorphidae |
| 537.H57 | Hippoboscidae (Louseflies) |
| | Hyperoscelididae see QL537.C26 |
| | Hypodermatidae see QL537.O4 |
| 537.I76 | Ironomyiidae |
| 537.L3 | Lauxaniidae |
| 537.L5 | Limoniidae |
| 537.L6 | Lonchaeidae |
| 537.L63 | Lonchopteridae (Musidoridae) |
| 537.L9 | Lygistorrhinidae |
| 537.M3 | Macroceridae (Euphrosynidae) |
| 537.M35 | Manotidae |
| 537.M4 | Megamerinidae |
| | Metopiidae see QL537.S25 |
| 537.M43 | Micropezidae |
| 537.M5 | Milichiidae |
| 537.M6 | Mormotomyiidae |
| 537.M8 | Muscidae (Houseflies, etc.) |
| 537.M9 | Mycetobiidae |
| 537.M92 | Mycetophilidae (Fungivoridae) |
| 537.M93 | Mydidae |
| 537.M98 | Mythicomyiidae |
| 537.N44 | Nemestrinidae |
| 537.N46 | Neottiophilidae |
| 537.N47 | Neriidae |
| 537.N6 | Nothybidae |
| 537.N9 | Nycteribiidae |
| 537.N94 | Nymphomyiidae |
| 537.O3 | Oдиниidae |
| 537.O4 | Oestridae (Botflies; warbleflies) |
| 537.O7 | Opomyzidae |

Invertebrates

Arthropoda

Insects

Diptera (Flies)

Systematic divisions. By family

Other families, A-Z -- Continued

| | |
|----------|---|
| 537.O8 | Otitidae |
| 537.P3 | Pachyneuridae |
| 537.P34 | Pallopteridae |
| 537.P35 | Pantophthalmidae |
| 537.P4 | Periscelidae |
| 537.P42 | Petauristidae |
| 537.P44 | Phasiidae |
| 537.P46 | Phoridae (Humpbacked flies) |
| 537.P49 | Phytalmiidae |
| 537.P56 | Piophilidae (Skipperflies) |
| 537.P57 | Pipunculidae (Dorylaidae; bigheadedflies) |
| 537.P63 | Platyppezidae (Clythiidae) |
| 537.P65 | Platystomatidae |
| 537.P83 | Psilidae |
| 537.P85 | Psychodidae (Mothflies) |
| 537.P87 | Pterocallidae |
| 537.P89 | Ptychopteridae (Liriopeidae) |
| 537.P97 | Pyrgotidae |
| 537.R4 | Rhagionidae (Snipeflies) |
| 537.R457 | Rhinophoridae |
| 537.R458 | Rhinoteridae |
| 537.R46 | Rhopalomeridae |
| 537.R5 | Richardiidae |
| 537.S25 | Sarcophagidae (Metopiidae; fleshflies) |
| 537.S32 | Scatopsidae |
| 537.S34 | Scenopinidae (Omphralidae) |
| 537.S35 | Sciadoceridae |
| 537.S357 | Sciaridae (Lycoriidae; fungus gnats) |
| 537.S365 | Sciomyzidae |
| 537.S367 | Sciophilidae |
| 537.S4 | Sepsidae |
| 537.S54 | Silvicolidae |
| 537.S55 | Simuliidae (Melusinidae; blackflies) |
| 537.S6 | Solvidae |
| 537.S7 | Sphaeroceridae |
| 537.S84 | Stratiomyidae (Soldier flies) |
| 537.S86 | Streblidae |
| 537.S88 | Synneuridae |
| 537.S9 | Syrphidae (Flowerflies) |
| 537.T25 | Tabanidae (Deerflies) |
| 537.T28 | Tachinidae (Larvaevoridae) |

Invertebrates

Arthropoda

Insects

Diptera (Flies)

Systematic divisions. By family

Other families, A-Z -- Continued

- 537.T3 Tachiniscidae
 537.T35 Tanyderidae
 537.T357 Tanypezidae
 537.T42 Tephritidae
 537.T447 Termitoxeniidae
 537.T448 Tethinidae
 537.T45 Thaumaleidae
 537.T458 Thaumatoxenidae
 537.T47 Therevidae
 537.T49 Thyreophoridae
 537.T6 Tipulidae (Craneflies)
 537.T7 Trichoceridae (Winter craneflies)
 537.T75 Trixoscelidae
 Trypetidae see QL537.T42
 Tylidae see QL537.M43
- 537.U4 Ulidiidae
 537.X9 Xylophagidae (Erinnidae)
- 538 Anatomy and morphology
 538.2 Physiology
- 539 Embioptera (Embiodea; web spinners)
 General works, treatises, and textbooks
 Geographical distribution
 For geographical distribution of
 systematic divisions see QL539.3.A+
- 539.15 General works
 539.2 North America (United States and Canada)
 (Table Q3)
 539.22 Mexico, Central America, and West Indies
 (Table Q3)
 539.23 South America (Table Q3)
 539.24 Europe (Table Q3)
 539.25 Asia (Table Q3)
 539.26 Africa (Table Q3)
 539.27 Australasia and Indo-Pacific islands
 (Table Q3)
 539.28 Polar regions
 539.29 Tropics
- 539.3.A-Z Systematic divisions. By family, A-Z
 539.3.A5 Anisembiidae
 539.3.C4 Clothodidae
 539.3.E4 Embiidae

Invertebrates

Arthropoda

Insects

Embioptera (Embiodea; web spinners)

Systematic divisions. By family, A-Z --

Continued

539.3.N6

Notoligotomidae

539.3.O44

Oligembiidae

539.3.O46

Oligotomidae

539.3.T4

Teratembidae

539.4

Anatomy and morphology

539.42

Physiology

Mallophaga (Chewing lice)

540

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of

systematic divisions see QL540.3.A+

540.15

General works

540.2

North America (United States and Canada)

(Table Q3)

540.22

Mexico, Central America, and West Indies

(Table Q3)

540.23

South America (Table Q3)

540.24

Europe (Table Q3)

540.25

Asia (Table Q3)

540.26

Africa (Table Q3)

540.27

Australasia and Indo-Pacific islands

(Table Q3)

540.28

Polar regions

540.29

Tropics

540.3.A-Z

Systematic divisions. By family, A-Z

540.3.B6

Boopiidae

540.3.D3

Dasyonygidae

540.3.G9

Gyropidae

540.3.H4

Heptapsogastridae

540.3.L3

Laemobothridae

540.3.M4

Menoponidae

540.3.N4

Nesiotinidae

540.3.P4

Philopteridae

540.3.R5

Ricinidae

540.3.T7

Trichodectidae

540.3.T72

Trichophlopteridae

540.3.T74

Trimenoponidae

540.4

Anatomy and morphology

540.42

Physiology

Lepidoptera (Butterflies; moths)

Invertebrates

Arthropoda

Insects

Lepidoptera (Butterflies; moths) -- Continued

- 541 Periodicals, societies, congresses, serial publications
- 541.5 Dictionaries and encyclopedias
- 542 General works, treatises, and textbooks
- 543 Pictorial works and atlases
- 544 Popular works
- 544.2 Juvenile works
- 544.6 Butterfly attracting
Including butterfly gardens and gardening
- 545 Classification
- 545.2 Catalogs and collections
- Geographical distribution
For geographical distribution of
systematic divisions see QL561.A+
- 546 General works
North America
- 548 General works
United States
- 549 General works
- 551.A-Z By region or state, A-Z
- 552 Canada
- 553 Mexico, Central America, and West Indies
(Table Q3)
- 554 South America (Table Q3)
- 555 Europe (Table Q3)
- 556 Asia (Table Q3)
- 557 Africa (Table Q3)
- 557.5 Indian Ocean islands (Table Q3)
- 558 Australia
- 558.5 New Zealand
- 559 Pacific islands (Table Q3)
- 560 Arctic regions
- 560.5 Antarctica
- 560.6 Tropics
- 561.A-Z Systematic divisions. By family, A-Z
- 561.A25 Acraeidae
- 561.A254 Acrolepiidae
- 561.A256 Acrolophidae
- 561.A3 Adelidae
- 561.A4 Aegeriidae see QL561.S47
- 561.A46 Agaristidae
- 561.A48 Alucitidae

Invertebrates

Arthropoda

Insects

Lepidoptera (Butterflies; moths)

Systematic divisions. By family, A-Z --

Continued

- | | |
|----------|-----------------------------------|
| 561.A5 | Amathusiidae |
| 561.A57 | Amphitheridae |
| | Amydriidae see QL561.T55 |
| 561.A65 | Anomologidae |
| 561.A67 | Anthelidae |
| 561.A7 | Apoprogonidae |
| 561.A8 | Arctiidae (Tiger moths) |
| 561.A84 | Argyresthiidae |
| 561.A865 | Arrhenophandiae |
| 561.A88 | Ashinagidae |
| 561.A93 | Axiidae |
| 561.B4 | Blastobasidae |
| 561.B6 | Bombycidae (Silkworm moths) |
| 561.B68 | Brachodidae |
| 561.B7 | Brahmaeidae |
| 561.C24 | Callidulidae |
| 561.C3 | Carposinidae |
| 561.C35 | Castniidae |
| 561.C4 | Cecidosetidae |
| 561.C42 | Cercophanidae |
| 561.C44 | Charideidae |
| 561.C46 | Chlidanotidae |
| 561.C47 | Choreutidae |
| 561.C48 | Chrysopolomidae |
| 561.C5 | Citheroniidae (Royal moths) |
| 561.C57 | Cochylidae |
| 561.C58 | Coleophoridae (Casebearer moths) |
| 561.C59 | Cosmopterigidae |
| 561.C6 | Cossidae (Carpenterworm moths) |
| | Crambidae see QL561.P9 |
| 561.C8 | Ctenuchidae |
| 561.C9 | Cyclotornidae |
| 561.D25 | Dalceridae (Milkweed butterflies) |
| 561.D3 | Danaidae (Milkweed butterflies) |
| 561.D5 | Dipotidae |
| 561.D6 | Douglasiidae |
| 561.D7 | Drepanidae |
| 561.E4 | Elachistidae |
| 561.E5 | Endromidae |
| 561.E74 | Epermeniidae |
| 561.E75 | Epicopeiidae |

Invertebrates

Arthropoda

Insects

Lepidoptera (Butterflies; moths)

Systematic divisions. By family, A-Z --

Continued

| | |
|----------|--|
| 561.E754 | Epimarptidae |
| 561.E757 | Epipaschiidae |
| 561.E758 | Epiplernidae |
| 561.E759 | Epipyropidae |
| 561.E8 | Eriocraniidae |
| 561.E85 | Ethmiidae |
| 561.E9 | Eucleidae |
| 561.E94 | Eupterotidae |
| 561.G3 | Galleriidae (Wax moths) |
| 561.G4 | Gelechiidae |
| 561.G6 | Geometridae |
| 561.G65 | Glyphipterygidae |
| 561.G7 | Gracillariidae (Leafblotch miners) |
| 561.H42 | Heliconiidae |
| 561.H44 | Heliodinidae |
| 561.H448 | Heliozelidae (Shield bearers) |
| 561.H47 | Hepialidae |
| 561.H5 | Hesperiidae (Skippers) |
| 561.H53 | Heterogynidae |
| 561.H9 | Hyblaeidae |
| 561.H97 | Hyposmocomididae |
| 561.I45 | Immidae |
| 561.I5 | Incurvariidae |
| 561.L3 | Lasiocampidae (Tent-caterpillar moths) |
| 561.L37 | Lecithoceridae |
| 561.L4 | Lemoniidae |
| 561.L5 | Libytheidae |
| 561.L54 | Limacodidae (Slug-caterpillar moths) |
| | Lithosiidae see QL561.A8 |
| 561.L8 | Lycaenidae |
| 561.L9 | Lymantriidae (Tussock moths) |
| 561.L95 | Lyonetiidae |
| 561.M4 | Megalopygidae (Flannel moths) |
| 561.M42 | Megathymidae (Skippers) |
| 561.M44 | Metachandidae |
| 561.M44 | Metachandidae |
| 561.M48 | Micropterygidae |
| 561.M5 | Mimallonidae |
| 561.M55 | Mnesarchaeidae |
| 561.M6 | Morphidae |
| 561.N38 | Neopseustidae |

Invertebrates

Arthropoda

Insects

Lepidoptera (Butterflies; moths)

Systematic divisions. By family, A-Z --

Continued

- 561.N4 Nepticulidae
 561.N7 Noctuidae (Owlet moths; underwings)
 561.N74 Nolidae
 561.N8 Notodontidae
 561.N87 Nyctemeridae
 561.N9 Nymphalidae (Brushfooted butterflies)
 561.O26 Ochsenheimeriidae
 561.O43 Oecophoridae
 Oinophilidae see QL561.T55
 561.O6 Olethreutidae
 561.O7 Opostegidae
 Orenodidae see QL561.A48
 561.O9 Oxychirotidae
 561.O93 Oxytenididae
 561.P17 Palaeosetidae
 561.P18 Palaephatidae
 561.P2 Papilionidae (Swallowtail butterflies)
 Phaloniidae see QL561.C57
 Phycitidae see QL561.P9
 561.P48 Phyllocnistidae
 561.P5 Pieridae
 561.P55 Plutellidae (Diamondback moths)
 561.P57 Prodoxidae (Yucca moths)
 561.P58 Prototheoridae
 561.P6 Psychidae (Bagworm moths)
 561.P8 Pterophoridae (Plume moths)
 561.P85 Pterothysanidae
 561.P9 Pyralidae
 561.P96 Pyromorphidae
 561.R3 Ratardidae
 561.R53 Ridaschinidae
 561.R56 Riodinidae
 561.S2 Saturniidae (Giant silkworm moths)
 561.S3 Satyridae
 561.S35 Scythridae
 561.S44 Sematuridae
 561.S47 Sesiidae (Clearwing moths)
 Setomorphidae see QL561.T55
 561.S7 Sphingidae (Sphinx moths)
 561.S8 Stenomidae
 561.S87 Strepsimanidae

Invertebrates

Arthropoda

Insects

Lepidoptera (Butterflies; moths)

Systematic divisions. By family, A-Z --

Continued

- 561.T46 Thyatiridae
 561.T48 Thyrididae
 561.T55 Tineidae (Clothes moths)
 561.T56 Tineodidae
 561.T58 Tischeriidae
 561.T8 Tortricidae (Leaf-roller moths)
 561.U7 Uraniidae
 561.X9 Xylorictidae
 561.Y7 Yponomeutidae (Ermine moths)
 561.Z9 Zygaenidae (Leaf-skeletonizer moths)
- 562 Anatomy and morphology
 562.2 Physiology
 562.4 Behavior. Social life. Instinct
 562.6 Ecology
- Hymenoptera (Ants; bees; wasps; etc.)
 Cf. SF521+ Bee culture
- 563 General works, treatises, and textbooks
 564 Pictorial works and atlases
 565 Popular works
 565.2 Juvenile works
 566 Classification
 566.2 Catalogs and collections
 Geographical distribution
 For geographical distribution of
 systematic divisions see QL568.A+
- 567 General works
 567.1 North America (United States and Canada)
 (Table Q3)
 567.2 Mexico, Central America, and West Indies
 (Table Q3)
 567.3 South America (Table Q3)
 567.4 Europe (Table Q3)
 567.5 Asia (Table Q3)
 567.6 Africa (Table Q3)
 567.7 Australia
 567.75 New Zealand
 567.8 Pacific islands (Table Q3)
 567.9 Arctic regions
 567.95 Antarctica
 567.96 Tropics
 568.A-Z Systematic divisions. By family, A-Z

Invertebrates

Arthropoda

Insects

Hymenoptera (Ants; bees; wasps; etc.)

Systematic divisions. By family, A-Z --

Continued

| | |
|----------|--------------------------------|
| 568.A17 | Acorduleceridae |
| 568.A23 | Agaontidae (Fig wasps) |
| 568.A24 | Agriotypidae |
| 568.A3 | Alienidae |
| 568.A34 | Alysiidae |
| 568.A344 | Alyssonidae |
| 568.A36 | Ampulicidae |
| 568.A38 | Anacharitidae |
| 568.A4 | Andrenidae |
| 568.A48 | Anthoboscidae |
| 568.A53 | Anthophoridae |
| 568.A55 | Aphelinidae |
| 568.A57 | Aphidiidae |
| 568.A6 | Apidae (Honeybees, etc.) |
| 568.A7 | Apterogynidae |
| 568.A77 | Argidae |
| 568.A8 | Aspiceridae |
| 568.A9 | Aulacidae |
| 568.B36 | Belytidae |
| | Bembicidae see QL568.S7 |
| 568.B4 | Bethylidae |
| 568.B5 | Blasticotomidae |
| 568.B8 | Braconidae |
| 568.B83 | Bradynobaenidae |
| 568.C373 | Cephidae (Stem sawflies) |
| 568.C375 | Ceraphronidae |
| 568.C377 | Cerceridae |
| 568.C4 | Chalcididae |
| 568.C44 | Charipidae |
| 568.C47 | Chrysididae (Cuckoo wasps) |
| 568.C5 | Cimbicidae |
| 568.C55 | Cleonymidae |
| 568.C56 | Cleptidae |
| 568.C6 | Colletidae |
| 568.C7 | Crabronidae |
| 568.C9 | Cynipidae (Gall wasps) |
| 568.D44 | Diapriidae |
| 568.D47 | Dimorphidae |
| 568.D5 | Diprionidae (Conifer sawflies) |
| 568.D7 | Dryinidae |
| 568.E4 | Elasmidae |

Invertebrates

Arthropoda

Insects

Hymenoptera (Ants; bees; wasps; etc.)

Systematic divisions. By family, A-Z --

Continued

| | |
|----------|----------------------------------|
| 568.E5 | Embolemidae |
| 568.E6 | Encyrtidae |
| 568.E75 | Eucharididae |
| 568.E77 | Eucoilidae |
| 568.E8 | Eulophidae |
| 568.E84 | Eumenidae |
| 568.E845 | Eupelmidae |
| 568.E85 | Eurytomidae |
| 568.E9 | Evaniidae (Ensign wasps) |
| 568.F47 | Fideliidae |
| 568.F5 | Figitidae |
| 568.F7 | Formicidae (Ants) |
| 568.G3 | Gasteruptionidae |
| 568.G6 | Gorytidae |
| 568.H3 | Halictidae (Sweat bees) |
| 568.H4 | Heloridae |
| 568.I15 | Ibaliidae |
| 568.I2 | Ichneumonidae |
| 568.L3 | Larridae |
| 568.L47 | Leptofoenidae |
| 568.L49 | Leucospididae |
| 568.L56 | Liopteridae |
| (568.M3) | Masaridae |
| | see QL568.V5 |
| 568.M4 | Megachilidae (Leaf-cutting bees) |
| 568.M44 | Megalodontidae |
| 568.M45 | Megalyridae |
| 568.M456 | Meliponidae |
| 568.M46 | Melittidae |
| 568.M466 | Mellinidae |
| 568.M48 | Methocidae |
| 568.M55 | Miscogastridae |
| 568.M56 | Miscophidae |
| 568.M6 | Monomachidae |
| 568.M8 | Mutillidae (Velvet ants) |
| 568.M94 | Mymaridae (Fairyflies) |
| 568.M944 | Mymarommatidae |
| 568.M97 | Myrmosidae |
| 568.N9 | Nyssonidae |
| 568.O25 | Oberthuerellidae |
| 568.O74 | Ormyridae |

Invertebrates

Arthropoda

Insects

Hymenoptera (Ants; bees; wasps; etc.)

Systematic divisions. By family, A-Z --

Continued

- 568.O78 Orussidae (Parasitic wood wasps)
 Oryssidae see QL568.O78
- 568.O8 Oxaeidae
 568.O9 Oxybelidae
 568.P3 Pamphiliidae (Web-spinning sawflies)
 568.P43 Pelecinidae
 Pemphredonidae see QL568.S7
- 568.P474 Pergidae
 568.P475 Perilampidae
 568.P5 Philanthidae
 568.P55 Platygastriidae
 568.P58 Plumariidae
 568.P6 Pompilidae (Spider wasps)
 568.P9 Proctotrypidae
 568.P94 Pteromalidae
 568.P945 Pterostigmatidae
 568.R4 Rhopalosomatidae
 568.R6 Roproniidae
 568.S2 Sapygidae
 568.S3 Scelionidae
 568.S34 Sclerogibbidae
 568.S38 Scoliidae
 568.S5 Sierolomorphidae
 568.S57 Siricidae (Horntails)
 568.S7 Sphecidae
 568.S8 Stephanidae
 568.S85 Stizidae
 568.S96 Syntexidae
 568.T3 Tenthredinidae (Sawflies)
 568.T34 Tetracampidae
 568.T4 Thynnidae
 568.T5 Tiphiidae
 568.T6 Torymidae
 568.T7 Trichogrammatidae
 568.T74 Trigonalidae
 568.T79 Trypoxylidae
 568.V3 Vanhorniidae
 568.V5 Vespidae (Hornets, etc.)
 568.X5 Xiphydriidae (Wood wasps)
 568.X7 Xyelidae
- 569 Anatomy and morphology

Invertebrates

Arthropoda

Insects

Hymenoptera (Ants; bees; wasps; etc.) --

Continued

569.2

Physiology

569.4

Behavior. Social life. Instinct

Anoplura (Sucking lice)

570

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of

systematic divisions see QL570.3.A+

570.15

General works

570.2

North America (United States and Canada)

(Table Q3)

570.22

Mexico, Central America, and West Indies

(Table Q3)

570.23

South America (Table Q3)

570.24

Europe (Table Q3)

570.25

Asia (Table Q3)

570.26

Africa (Table Q3)

570.27

Australasia and Indo-Pacific islands

(Table Q3)

570.28

Polar regions (Table Q3)

570.29

Tropics (Table Q3)

570.3.A-Z

Systematic divisions. By family, A-Z

570.3.E3

Echinophthiriide

570.3.H34

Haematomyzidae

570.3.H37

Haematopinidae

570.3.H38

Haematopinoididae

570.3.H64

Hoplopleuridae

570.3.N4

Neolignathidae

570.3.P4

Pediculidae

570.3.P5

Phthiriidae

Coleoptera (Beetles)

571

Periodicals, societies, congresses, serial
publications

572

Collected works (nonserial)

573

General works, treatises, and textbooks

575

Pictorial works and atlases

576

Popular works

576.2

Juvenile works

577

Classification

577.2

Catalogs and collections

Geographical distribution

For geographical distribution of

systematic divisions see QL596.A+

- Invertebrates
- Arthropoda
- Insects
- Coleoptera (Beetles)
- Geographical distribution -- Continued
- 578 General works
- 580 America
- North America
- 581 General works
- United States
- 583 General works
- 584.A-Z By region or state, A-Z
- 585 Canada
- Latin America
- 585.5 General works
- 586 Mexico
- 587 Central America (Table Q3)
- 588 West Indies (Table Q3)
- 589 South America (Table Q3)
- 591 Europe (Table Q3)
- 592 Asia (Table Q3)
- 593 Africa (Table Q3)
- 594 Australia
- 594.5 New Zealand
- 595 Pacific islands (Table Q3)
- 595.2 Arctic regions
- 595.4 Antarctica
- 595.6 Tropics
- 596.A-Z Systematic divisions. By family, A-Z
- 596.A23 Acanthoceridae
- 596.A27 Aculognathidae
- 596.A3 Aderidae
- 596.A37 Aegialiidae
- 596.A4 Aglycyderidae
- 596.A42 Alleculidae
- 596.A43 Alticidae
- 596.A45 Amphizoidae
- 596.A5 Anobiidae
- 596.A62 Anthicidae (Antlike flower beetles)
- 596.A63 Anthribidae (Fungus weevils)
- 596.A64 Aphodiidae
- 596.A8 Atractoceridae
- 596.A83 Attelabidae
- 596.B5 Bostrichidae (False powderpost beetles)
- 596.B54 Brachypteridae
- 596.B58 Brachyspectridae
- 596.B6 Brathinidae

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles)

Systematic divisions. By family, A-Z --

Continued

| | |
|----------|------------------------------------|
| 596.B65 | Brentidae |
| 596.B7 | Bruchidae (Seed beetles) |
| 596.B8 | Buprestidae (Metallic wood borers) |
| 596.B97 | Byrrhidae |
| 596.B98 | Byturidae (Fruitworm beetles) |
| 596.C15 | Cantharidae (Soldier beetles) |
| 596.C2 | Carabidae (Ground beetles) |
| | Cassididae see QL596.C5 |
| 596.C28 | Catopochrotidae |
| 596.C3 | Cebrionidae |
| 596.C37 | Cephaloidae |
| 596.C4 | Cerambycidae (Long-horned beetles) |
| 596.C415 | Ceratocanthidae |
| 596.C42 | Cerophytidae |
| 596.C43 | Cetoniidae |
| 596.C45 | Chapuisiidae |
| 596.C46 | Chelonariidae |
| 596.C48 | Chlamisidae |
| 596.C5 | Chrysomelidae (Leaf beetles) |
| 596.C56 | Cincindelidae (Tiger beetles) |
| 596.C6 | Ciidae |
| 596.C613 | Cistelidae |
| 596.C617 | Clambidae |
| 596.C618 | Clavigeridae |
| 596.C62 | Cleridae (Checkered beetles) |
| 596.C64 | Clytridae |
| 596.C65 | Coccinellidae (Lady beetles) |
| 596.C66 | Colydiidae |
| 596.C667 | Corylophidae |
| 596.C67 | Corynetidae |
| 596.C68 | Cossyphodidae |
| 596.C7 | Crioceridae |
| 596.C77 | Cryptocephalidae |
| 596.C78 | Cryptophagidae |
| 596.C8 | Cucujidae (Flat-bark beetles) |
| 596.C85 | Cupidae |
| 596.C9 | Curculionidae (Snout beetles) |
| 596.C93 | Cyathoceridae |
| 596.C933 | Cybocephalidae |
| 596.C94 | Cyladidae |
| 596.D37 | Dasyllidae |

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles)

Systematic divisions. By family, A-Z --

Continued

| | |
|----------|---|
| 596.D375 | Dasytidae |
| 596.D4 | Dermestidae |
| 596.D42 | Derodontidae |
| 596.D57 | Diphyllidae |
| 596.D58 | Discolomidae |
| 596.D6 | Donaciidae |
| 596.D67 | Drilidae |
| 596.D7 | Dryopidae |
| 596.D85 | Dynastidae |
| 596.D9 | Dytiscidae (Predaceous diving beetles) |
| 596.E3 | Ectrephidae |
| 596.E38 | Elacatidae |
| 596.E4 | Elateridae (Click beetles) |
| 596.E45 | Elmidae |
| 596.E5 | Endomychidae |
| 596.E7 | Erotylidae |
| 596.E76 | Euchiridae |
| 596.E77 | Eucinetidae |
| 596.E8 | Eucnemidae |
| 596.E84 | Euglenidae |
| 596.E85 | Eumolpidae |
| 596.E87 | Eurystethidae |
| 596.G3 | Galerucidae |
| 596.G47 | Georyssidae |
| 596.G48 | Geotrupidae |
| 596.G5 | Glaphyridae |
| 596.G6 | Gnostidae |
| 596.G8 | Gyrinidae (Whirligig beetles) |
| 596.H2 | Haliplidae |
| 596.H38 | Helodidae |
| 596.H4 | Helotidae |
| 596.H43 | Hemipeplidae |
| 596.H45 | Heteroceridae |
| 596.H48 | Hispidae |
| 596.H5 | Histeridae (Hister beetles) |
| 596.H78 | Hybosoridae |
| 596.H79 | Hydraenidae |
| 596.H8 | Hydrophilidae (Water scavenger beetles) |
| 596.H85 | Hydroscaphidae |
| 596.H9 | Hygrobiidae |
| 596.H95 | Hypocephalidae |

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles)

Systematic divisions. By family, A-Z --

Continued

| | |
|---------|---------------------------------------|
| 596.I7 | Ipidae |
| 596.J3 | Jacobsoniidae |
| 596.L23 | Lagriidae |
| 596.L25 | Lamiidae |
| 596.L27 | Lamprosomatidae |
| 596.L28 | Lampyridae (Fireflies) |
| 596.L29 | Languriidae |
| 596.L3 | Lathridiidae |
| 596.L35 | Leiodidae |
| 596.L4 | Leptinidae |
| 596.L43 | Leptodiridae |
| 596.L55 | Limnichidae |
| 596.L58 | Limulodidae |
| 596.L8 | Lucanidae (Stag beetles) |
| 596.L9 | Lycidae (Netwinged beetles) |
| 596.L92 | Lyctidae (Powderpost beetles) |
| 596.L94 | Lyxmexylidae (Timber beetles) |
| 596.M2 | Malachiidae |
| 596.M3 | Megalopodidae |
| 596.M34 | Megascelidae |
| | Melasidae see QL596.E8 |
| 596.M38 | Meloidae (Blister beetles) |
| 596.M4 | Melolonthidae (Cockchafers) |
| 596.M43 | Melyridae |
| 596.M47 | Micromalthidae |
| 596.M5 | Micropeplidae |
| 596.M53 | Monoedidae |
| 596.M55 | Monommatidae |
| 596.M57 | Monotomidae |
| 596.M6 | Mordellidae (Tumbling flower beetles) |
| 596.M8 | Murmidiidae |
| 596.M9 | Mycetaeidae |
| 596.M92 | Mycetophagidae (Hairy fungus beetles) |
| 596.N4 | Nemonychidae |
| 596.N54 | Nilionidae |
| 596.N57 | Niponiidae |
| 596.N58 | Nitidulidae (Sap beetles) |
| 596.N6 | Nosodendridae |
| 596.O25 | Ochodaeidae |
| 596.O4 | Oedemeridae |
| 596.O67 | Orphnidae |

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles)

Systematic divisions. By family, A-Z --

Continued

| | |
|----------|--------------------------------------|
| 596.O7 | Orthoperidae |
| | Ostomatidae see QL596.T8 |
| 596.P13 | Pachypodidae |
| 596.P17 | Parandridae |
| 596.P2 | Passalidae |
| 596.P25 | Passandridae |
| 596.P3 | Pedilidae |
| 596.P38 | Petriidae |
| 596.P4 | Phaenocephalidae |
| 596.P42 | Phaenomeridae |
| 596.P46 | Phalacridae (Shining fungus beetles) |
| 596.P47 | Phenogodidae (Glowworms) |
| 596.P5 | Plastoceridae |
| 596.P6 | Platypodidae |
| 596.P62 | Platypsyllidae |
| 596.P63 | Pleocomidae |
| 596.P7 | Prionidae |
| 596.P75 | Proterhinidae |
| 596.P8 | Pselaphidae |
| 596.P815 | Psephenidae |
| 596.P83 | Ptiliidae |
| 596.P85 | Ptinidae (Spider beetles) |
| 596.P96 | Pyrochroidae |
| 596.P98 | Phthidae |
| 596.R4 | Rhipiceridae |
| 596.R485 | Rhipiphoridae |
| 596.R5 | Rhizophagidae |
| 596.R57 | Rhysodidae |
| 596.R8 | Rutelidae |
| 596.S23 | Sagridae |
| 596.S28 | Scaphidiidae |
| 596.S3 | Scarabaeidae (Scarabs) |
| 596.S35 | Scolytidae (Bark beetles) |
| 596.S353 | Scolytoplatypodidae |
| 596.S38 | Scraptiidae |
| 596.S4 | Scydmaenidae |
| 596.S45 | Serropalpidae |
| 596.S49 | Silvanidae |
| 596.S5 | Silphidae (Carrion beetles) |
| 596.S53 | Sinodendridae |
| 596.S6 | Smicripidae |

Invertebrates

Arthropoda

Insects

Coleoptera (Beetles)

Systematic divisions. By family, A-Z --

Continued

- 596.S65 Sphaeriidae
 596.S66 Sphaeritidae
 596.S68 Sphaerosomatidae
 596.S7 Sphindidae
 596.S75 Staphylinidae (Rove beetles)
 596.S9 Synteliidae
 596.T16 Telegeusidae
 596.T2 Tenebrionidae (Darkling beetles)
 596.T27 Tetratomidae
 596.T35 Thorictidae
 596.T4 Throscidae
 596.T7 Trichiidae
 Trichopterygidae see QL596.P83
 596.T75 Trictenotomidae
 596.T78 Trogidae
 596.T8 Trogositidae
 596.U75 Urodontidae
 597 Anatomy and morphology
 597.2 Physiology
- Thysanoptera (Thrips)
- 598 General works, treatises, and textbooks
 Geographical distribution
 For geographical distribution of
 systematic divisions see QL598.3.A+
- 598.15 General works
 598.2 North America (United States and Canada)
 (Table Q3)
 598.22 Mexico, Central America, and West Indies
 (Table Q3)
 598.23 South America (Table Q3)
 598.24 Europe (Table Q3)
 598.25 Asia (Table Q3)
 598.26 Africa (Table Q3)
 598.27 Australasia and Indo-Pacific islands
 (Table Q3)
 598.28 Polar regions
 598.29 Tropics
- 598.3.A-Z Systematic divisions. By family, A-Z
 598.3.A4 Aeolothripidae
 598.3.C4 Ceratothripidae
 598.3.C5 Chirothripoididae

Invertebrates

Arthropoda

Insects

Thysanoptera (Thrips)

Systematic divisions. By family, A-Z --

Continued

- 598.3.E3 Ecacanthothripidae
 598.3.E8 Eupatithripidae
 598.3.F7 Franklinothripidae
 598.3.H4 Heterothripidae
 598.3.H9 Hystrichothripidae
 598.3.I3 Idolothripidae
 598.3.M44 Megathripidae
 598.3.M45 Melanothripidae
 598.3.M47 Merothripidae
 598.3.M9 Mymarothripidae
 598.3.O7 Orothripidae
 598.3.P3 Panchaetothripidae
 598.3.P45 Phlaeothripidae
 598.3.P5 Phloeothripidae
 598.3.P9 Pygothripidae
 598.3.T4 Thripidae
 598.3.U7 Urothripidae
 598.4 Anatomy and morphology
 598.42 Physiology
- Mecoptera (Scorpionflies)
- 598.5 General works, treatises, and textbooks
 Geographical distribution
 For geographical distribution of
 systematic divisions see QL598.7.A+
- 598.52 General works
 598.6 North America (United States and Canada)
 (Table Q3)
 598.62 Mexico, Central America, and West Indies
 (Table Q3)
 598.63 South America (Table Q3)
 598.64 Europe (Table Q3)
 598.65 Asia (Table Q3)
 598.66 Africa (Table Q3)
 598.67 Australasia and Indo-Pacific islands
 (Table Q3)
 598.68 Polar regions
 598.69 Tropics
- 598.7.A-Z Systematic divisions. By family, A-Z
 598.7.B5 Bittacidae
 598.7.B6 Boreidae
 598.7.M4 Meropeidae

Invertebrates

Arthropoda

Insects

Mecoptera (Scorpionflies)

Systematic divisions. By family, A-Z --

Continued

598.7.N6

Notiothaumidae

598.7.P3

Panorpidae

598.8

Anatomy and morphology

598.82

Physiology

Strepsiptera (Twisted-winged parasites)

599

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of

systematic divisions see QL599.3.A+

599.15

General works

599.2

North America (United States and Canada)

(Table Q3)

599.22

Mexico, Central America, and West Indies

(Table Q3)

599.23

South America (Table Q3)

599.24

Europe (Table Q3)

599.25

Asia (Table Q3)

599.26

Africa (Table Q3)

599.27

Australasia and Indo-Pacific islands

(Table Q3)

599.28

Polar regions

599.29

Tropics

599.3.A-Z

Systematic divisions. By family, A-Z

599.3.C32

Callipharixenidae

599.3.E4

Elenchidae

599.3.H3

Halictophagidae

599.3.M45

Mengeidae

599.3.M46

Mengenillidae

599.3.M9

Myrmecolacidae

599.3.S85

Stichotrematidae

599.3.S89

Stylopidae

599.4

Anatomy and morphology

599.42

Physiology

Siphonaptera (Fleas)

599.5

General works, treatises, and textbooks

Geographical distribution

For geographical distribution of

systematic divisions see QL599.7.A+

599.52

General works

599.6

North America (United States and Canada)

(Table Q3)

- Invertebrates
 - Arthropoda
 - Insects
 - Siphonaptera (Fleas)
 - Geographical distribution -- Continued
 - 599.62 Mexico, Central America, and West Indies (Table Q3)
 - 599.63 South America (Table Q3)
 - 599.64 Europe (Table Q3)
 - 599.65 Asia (Table Q3)
 - 599.66 Africa (Table Q3)
 - 599.67 Australasia and Indo-Pacific islands (Table Q3)
 - 599.68 Polar regions
 - 599.69 Tropics
 - 599.7.A-Z Systematic divisions. By family, A-Z
 - 599.7.C47 Ceratophyllidae
 - 599.7.D6 Dolichopsyllidae
 - 599.7.H4 Hectopsyllidae
 - 599.7.H9 Hystrichopsyllidae
 - 599.7.I3 Ischnopsyllidae
 - 599.7.P8 Pulicidae
 - 599.7.S8 Stephanocircidae
 - 599.7.T8 Tungidae
 - 599.8 Anatomy and morphology
 - 599.82 Physiology
 - Chordates. Vertebrates
 - For behavior see QL750+
 - For anatomy see QL801+
 - For physiology see QP1+
- 605.A1 Periodicals, societies, congresses, serial publications
- 605.A2 Collected works (nonserial)
- 605.A3-Z General works, treatises, and textbooks
- 605.2 Popular works
- 605.3 Juvenile works
- 605.4 Dictionaries and encyclopedias
- Rare and endangered species see QL81.5+
- Geographical distribution
 - For geographical distribution of systematic divisions, see the division, e.g. QL619+, Fishes
- 606.5 General works
- 606.52 North America (United States and Canada) (Table Q3)
- 606.53 Mexico, Central America, and West Indies (Table Q3)

Chordates. Vertebrates

Geographical distribution -- Continued

- 606.54 South America (Table Q3)
- 606.55 Europe (Table Q3)
- 606.56 Asia (Table Q3)
- 606.57 Africa (Table Q3)
- 606.58 Australasia and Indo-Pacific islands (Table Q3)

Arctic regions

- 606.59 General works
- 606.592 Bering Land Bridge Region. Beringia
- 606.594 Greenland
- 606.597 Antarctica

- 606.6 Tropics

- 607 Classification

- 607.2 Catalogs and collections

- 607.5 Evolution (General)

- 607.6 Population dynamics

- 607.9 Collection and preservation

Protochordata

- 610 General works

- 611 Cephalochordata

- 612 Hemichordata

- 613 Urochordata (Tunicata)

Fishes

Cf. SH1+ Fish culture, fisheries, angling

- 614 Periodicals, societies, congresses, serial publications

- 614.5 Collected works (nonserial)

- 614.7 Dictionaries and encyclopedias

History of ichthyology

- 614.8 General works

- 614.83.A-Z By region or country, A-Z

Biography of ichthyologists see QL26+

- 614.9 Directories

- 615 General works, treatises, and textbooks

- 616 Pictorial works and atlases

- 617 Popular works

- 617.2 Juvenile works

Rare and endangered species

- 617.7 General works

- 617.73.A-Z By region or country, A-Z

- 618 Classification. Nomenclature

- 618.15 Catalogs and collections

- 618.2 Evolution. Speciation

- 618.3 Population dynamics

Study and teaching. Research

- 618.5 General works

Chordates. Vertebrates

Fishes

Study and teaching. Research -- Continued

618.55

Fish watching

For fish watching in individual regions or
countries, see QL620+

618.6

Collection and preservation. Fish mounting

Cf. SH338+ Fisheries museums and exhibitions

618.65

Fish surveys

For fish surveys in individual regions or
countries, see QL620+

618.7

Poisonous fishes. Dangerous fishes

Cf. QL638.93 Shark attacks

Geographical distribution

For geographical distribution of systematic
divisions see QL637.9+

619

General works

Physiographic divisions

Marine fishes

For marine fishes of a particular coast
see QL625+

620

General works

620.2

Circumpolar

Cf. QL637 Arctic Ocean

Cf. QL637.2 Antarctic Ocean

620.4

Circumtropical

620.45

Coral reefs

620.6

Intertidal fishes

Atlantic Ocean

Cf. QL632.5 Atlantic Ocean islands

621

General works

North Atlantic

621.2

General works

Eastern North Atlantic

Including the coast of Europe

621.3

General works

621.32

Greenland Sea

621.34

Norwegian Sea

621.35

Baltic Sea

Including the Gulf of Bothnia

621.36

Kattegat. Skagerrak

621.37

North Sea

621.38

English Channel

621.39

Irish Sea

621.395

Biscay, Bay of

Mediterranean Sea

621.4

General works

Chordates. Vertebrates

Fishes

Geographical distribution

Physiographic divisions

Marine fishes

Atlantic Ocean

North Atlantic

Eastern North Atlantic

Mediterranean Sea -- Continued

621.42

Adriatic Sea

621.44

Aegean Sea

621.46

Black Sea

Western North Atlantic

Including the coast of North America

621.5

General works

621.52

Baffin Bay

621.53

Davis Strait

621.54

Newfoundland Banks

621.56

Gulf of Mexico

621.58

Caribbean Sea

Central Atlantic. Tropical Atlantic

621.6

General works

621.62

Eastern Central Atlantic

621.65

Western Central Atlantic

South Atlantic

621.7

General works

Eastern South Atlantic

Including the coast of Africa

621.72

General works

621.75

Gulf of Guinea

621.77

Western South Atlantic

Including the coast of South America

Indian Ocean

Cf. QL636.7 Indian Ocean islands

622

General works

North Indian Ocean

622.2

General works

Arabian Sea

622.3

General works

622.32

Persian Gulf

622.34

Red Sea

622.36

Gulf of Aden

Bay of Bengal

622.4

General works

622.45

Andaman Sea

South Indian Ocean

622.5

General works

Chordates. Vertebrates

Fishes

Geographical distribution

Physiographic divisions

Marine fishes

Indian Ocean

South Indian Ocean -- Continued

622.55

Mozambique Channel

Pacific Ocean

Cf. QL636.5 Pacific islands

623

General works

North Pacific

623.2

General works

623.3

Bering Sea

Eastern North Pacific

Including the coast of North America

623.4

General works

623.45

Gulf of Alaska

Western North Pacific

Including the coast of Asia

623.5

General works

623.52

Okhotsk Sea

623.53

Japan Sea

623.54

Yellow Sea

China Sea

623.548

General works

623.55

East China Sea

623.56

South China Sea

623.58

Philippine Sea

623.59

Tonkin, Gulf of

623.6

Central Pacific. Tropical Pacific

South Pacific

623.7

General works

623.8

Eastern South Pacific

Including the coast of South America

Western South Pacific

Including Australasia

623.9

General works

623.92

Java Sea

623.94

Coral Sea

623.96

Tasman Sea

623.98

Indo-Pacific region

Arctic Ocean see QL637

Antarctic Ocean see QL637.2

624

Freshwater fishes

Class here general works only

For fishes of a particular area see QL625+

Chordates. Vertebrates

Fishes

Geographical distribution -- Continued

Topographic divisions

North America

625 General works

625.5 Great Lakes

Canada

626 General works

626.5.A-Z By region or province, A-Z

United States

627 General works

628.A-Z By region or state, A-Z

Cf. QL636.5 Hawaii

Latin America

628.5 General works

629 Mexico

630 Central America (Table Q3)

631 West Indies (Table Q3)

632 South America (Table Q3)

632.5 Atlantic Ocean islands (Table Q3)

633 Europe (Table Q3)

634 Asia (Table Q3)

635 Africa (Table Q3)

636 Australia

636.2 New Zealand

636.5 Pacific islands (Table Q3)

636.7 Indian Ocean islands (Table Q3)

637 Arctic regions

Including the Arctic Ocean

637.2 Antarctica

Including the Antarctic Ocean

637.5 Tropics

Systematic divisions

637.9.A-Z Osteichthys (Bony fishes). By order, A-Z

Class species, genera, and families in
QL638Class single-family orders with family in
QL638For general works and works on higher
groups of bony fishes, except dipnoid
and ganoid fishes see QL615For general works on dipnoid and ganoid
fishes see QL638.3

637.9.A3 Acipenseriformes

Amiiformes see QL638.A37

637.9.A5 Anguilliformes

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By order, A-Z --

Continued

- 637.9.A8 Atheriniformes
 637.9.A93 Aulopiformes
 637.9.B36 Batrachoidiformes see QL638.B3
 637.9.B4 Beloniformes
 637.9.C35 Beryciformes
 637.9.C38 Ceratodontiformes see QL638.C356
 637.9.C4 Cetomimiformes
 637.9.C9 Channiformes see QL638.C486
 637.9.D3 Characiformes
 637.9.D5 Clupeiformes
 637.9.E4 Coelacanthiformes see QL638.L26
 637.9.G3 Ctenothrissiformes see QL638.M13
 637.9.G37 Cypriniformes
 637.9.G6 Cyprinodontiformes see QL637.9.C9
 637.9.G94 Dactylopteriformes
 637.9.L3 Dipteriformes
 637.9.L6 Elopiformes
 637.9.M6 Gadiformes
 637.9.M93 Gasterosteiformes
 637.9.N6 Gobiesociformes see QL638.G6
 637.9.O63 Gonorynchiformes
 637.9.O76 Gymnotiformes
 637.9.O8 Lampridiformes
 637.9.P46 Lepisosteiformes see QL638.L4
 637.9.P47 Lophiiformes
 637.9.P5 Mormyriiformes
 637.9.S3 Myctophiformes
 637.9.S35 Notacanthiformes
 637.9.S5 Ophidiiformes
 637.9.S9 Osmeriformes
 637.9.T4 Osteoglossiformes
 637.9.Z4 Pegasiformes see QL638.P32
 Perciformes
 Percopsiformes
 Pleuronectiformes
 Polypteriformes see QL638.P76
 Salmoniformes
 Scorpaeniformes
 Siluriformes
 Synbranchiformes
 Tetraodontiformes
 Zeiformes

Chordates. Vertebrates

Fishes

Systematic divisions -- Continued

- 638.A-Z Osteichthyes (Bony fishes). By family, A-Z
Class here works on species, genera, and families
- 638.A15 Acanthoclinidae
638.A2 Acanthuridae (Surgeonfishes)
638.A25 Acipenseridae (Sturgeons)
638.A27 Acropomatidae
638.A29 Adrianichthyidae
638.A3 Ageneiosidae
638.A316 Agonidae (Poachers)
638.A32 Akysidae
Alabetidae see QL638.G6
638.A335 Albulidae (Bonefishes)
638.A34 Alepisauridae (Lancetfishes)
638.A35 Alepocephalidae
638.A36 Amarsipidae
638.A364 Amblycipitidae
638.A366 Amblyopsidae (Cavefishes)
638.A37 Amiidae (Bowfins)
638.A4 Ammodytidae (Sand lances)
638.A44 Amphiliidae
638.A47 Amphipnoidae
638.A5 Anabantidae
638.A53 Anablepidae
638.A54 Anarhichadidae (Wolffishes)
638.A55 Anguillidae (Freshwater eels)
Anisochromidae see QL638.P84
638.A556 Anomalopidae
638.A56 Anoplogasteridae
638.A567 Anoplopomatidae (Sablefishes)
638.A568 Anostomidae
638.A57 Anotopteridae (Daggertoosths)
638.A577 Antennariidae (Frogfishes)
638.A6 Aoteidae
638.A63 Aphredoderidae (Pirate perches)
638.A64 Aploactinidae
638.A642 Aplocheilidae
638.A643 Aplochitonidae
638.A65 Aplodactylidae
638.A7 Apogonidae (Cardinalfishes)
638.A73 Apterontidae
Arapaimidae see QL638.O88
638.A75 Argentinidae
638.A755 Ariidae (Sea catfishes)

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z --

Continued

- 638.A77 Arripidae
 638.A78 Aspredinidae
 638.A785 Astroblepidae
 638.A788 Astronesthidae
 638.A79 Ateleopodidae
 638.A8 Atherinidae (Silversides)
 638.A83 Auchenipteridae
 638.A84 Aulopodidae
 638.A844 Aulorhynchidae
 638.A848 Aulostomidae (Trumpetfishes)
 638.B13 Bagridae
 638.B15 Balistidae (Triggerfishes; filefishes)
 638.B153 Balitoridae (Hillstream loaches)
 638.B155 Banjosidae
 638.B17 Barbourisiidae
 638.B18 Bathyclupeidae
 638.B2 Bathydraconidae
 638.B23 Bathylaconidae
 638.B25 Bathylagidae (Deepsea smelts)
 638.B26 Bathymasteridae (Ronquils)
 638.B27 Bathypteroidae
 638.B3 Batrachoididae (Toadfishes)
 638.B34 Belonidae (Needlefishes)
 638.B347 Belontiidae
 638.B4 Berycidae
 638.B6 Blenniidae (Combtooth blennies)
 638.B65 Bothidae (Lefteye flounders)
 638.B67 Bovichthyidae
 638.B7 Bracionichthyidae (Handfishes)
 638.B8 Bramidae (Pomfrets)
 638.B83 Branchiostegidae (Tilefishes)
 638.B85 Bregmacerotidae (Codlets)
 638.C12 Caesionidae
 638.C14 Callichthyidae
 638.C15 Callionymidae (Dragonets)
 638.C2 Caproidae (Boarfishes)
 638.C23 Caracanthidae
 638.C25 Carangidae (Jacks; pompanos)
 638.C26 Carapidae (Pearlfishes)
 638.C265 Caristiidae
 638.C27 Catostomidae (Suckers)
 638.C28 Caulophrynidae

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z --

Continued

| | |
|-----------|------------------------------------|
| 638.C3 | Centrarchidae (Sunfishes) |
| 638.C32 | Centriscidae (Snipefishes) |
| 638.C326 | Centrolophidae |
| 638.C33 | Centrophrynidae |
| 638.C34 | Centropomidae (Snooks) |
| 638.C347 | Cepolidae |
| 638.C35 | Ceratiidae (Seadevils) |
| 638.C356 | Ceratodontidae |
| 638.C36 | Cetomimidae |
| 638.C37 | Cetopsidae |
| 638.C385 | Chacidae |
| 638.C4 | Chaenopsidae |
| 638.C48 | Chaetodontidae (Butterflyfishes) |
| 638.C483 | Champsodontidae |
| 638.C484 | Chanidae |
| 638.C485 | Channichthyidae |
| 638.C486 | Channidae |
| 638.C5 | Characidae (Characins; tetras) |
| 638.C53 | Chaudhuriidae |
| 638.C534 | Chauliodontidae (Viperfishes) |
| 638.C5344 | Chaunacidae |
| 638.C536 | Cheilodactylidae |
| 638.C5365 | Cheimarrhichthyidae |
| 638.C54 | Chiasmodontidae |
| 638.C544 | Chilodontidae |
| 638.C547 | Chironemidae |
| 638.C549 | Chlorophthalmidae (Greeneyes) |
| 638.C55 | Cichlidae (Cichlids) |
| 638.C577 | Cirrhitidae (Hawkfishes) |
| 638.C578 | Citharidae |
| 638.C5785 | Citharinidae |
| 638.C6 | Clariidae (Airbreathing catfishes) |
| 638.C63 | Clinidae (Clinids; blennies) |
| 638.C64 | Clupeidae (Herrings) |
| 638.C647 | Cobitidae (Loaches) |
| (638.C65) | Coelacanthidae |
| | see QL638.L26 |
| 638.C654 | Comephoridae |
| 638.C655 | Congiopodidae |
| 638.C66 | Congridae (Conger eels) |
| 638.C666 | Congrogadidae |
| 638.C7 | Coracinidae |

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z --

Continued

- 638.C795 Coregonidae see QL638.S2
 Coryphaenidae (Dolphinfishes)
 Coryphaenoididae see QL638.M2
 638.C8 Cottidae (Sculpins)
 638.C816 Cottocomphoridae
 638.C818 Cottunculidae
 638.C83 Cranoglanididae
 638.C84 Creediidae
 638.C88 Ctenoluciidae
 638.C89 Curimatidae
 638.C9 Cyclopteridae (Lumpsuckers; snailfishes)
 638.C914 Cyemidae
 638.C92 Cynodontidae
 638.C93 Cynoglossidae (Tonguefishes)
 638.C94 Cyprinidae (Minnows; carps)
 638.C96 Cyprinodontidae (Killifishes)
 638.D3 Dactylopteridae (Flying gurnards)
 638.D35 Dactyloscopidae (Sand stargazers)
 638.D4 Denticipitidae
 638.D47 Derichthyidae
 638.D5 Diceratiidae
 638.D56 Diodontidae (Porcupinefishes)
 638.D57 Diplomystidae
 638.D577 Diretmidae
 638.D58 Distichodontidae
 638.D6 Doradidae
 Dummumieriidae see QL638.C64
 638.D93 Dysommidae (Arrowtooth eels)
 638.D95 Dysomminidae
 638.E2 Echeneidae (Remoras)
 638.E34 Electrophoridae (Electric eel)
 638.E4 Elopidae (Ladyfishes, etc.)
 638.E5 Embiotocidae (Surfperches)
 638.E53 Emmelichthyidae (Bonnetmouths)
 638.E55 Engraulidae (Anchovies)
 638.E556 Enoplosidae
 638.E6 Ehippididae (Spadefishes)
 638.E65 Erythrinidae
 638.E7 Esocidae (Pikes)
 638.E8 Eurypharyngidae
 638.E83 Eutaeniophoridae
 638.E87 Evermannellidae

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z --

Continued

| | |
|----------|----------------------------------|
| 638.E9 | Exocoetidae (Flying fishes) |
| | Fierasferidae see QL638.C26 |
| 638.F5 | Fistulariidae (Cornetfishes) |
| 638.F6 | Formionidae |
| 638.G2 | Gadidae (Codfishes) |
| 638.G23 | Gadopsidae |
| 638.G25 | Galaxiidae |
| 638.G266 | Gasteropelecidae |
| 638.G27 | Gasterosteidae (Sticklebacks) |
| 638.G4 | Gempylidae (Snake mackerels) |
| 638.G43 | Gerridae (Mojarras) |
| 638.G45 | Gibberichthyidae |
| 638.G455 | Gigantactinidae |
| 638.G5 | Giganturidae |
| 638.G55 | Glaucosomitidae (Pearl perches) |
| 638.G6 | Gobiesocidae (Clingfishes) |
| 638.G7 | Gobiidae (Gobies) |
| 638.G73 | Gobioididae |
| 638.G75 | Gonorynchidae |
| 638.G8 | Gonostomatidae (Lightfishes) |
| 638.G82 | Goodeidae |
| 638.G843 | Grammicolepididae |
| 638.G844 | Grammidae |
| 638.G848 | Grammistidae (Soapfishes) |
| 638.G85 | Gregoryinidae |
| 638.G87 | Gymnarchidae |
| | Gymnodontidae see QL638.T32 |
| 638.G9 | Gymnotidae |
| 638.G95 | Gyrinocheilidae |
| 638.H23 | Haemulidae (Grunts) |
| 638.H25 | Halosauridae |
| 638.H28 | Harpagiferidae |
| 638.H3 | Harpodontidae |
| 638.H444 | Helogeneidae |
| 638.H448 | Helostomatidae |
| 638.H45 | Hemiodontidae |
| 638.H46 | Hemiramphidae (Halfbeaks) |
| 638.H47 | Hepsetidae |
| 638.H484 | Heterenchelyidae |
| 638.H486 | Heteropneustidae |
| 638.H49 | Hexagrammidae (Greenlings) |
| 638.H54 | Himantolophidae (Footballfishes) |

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z --

Continued

- 638.H56 Hiodontidae (Mooneyes)
 638.H64 Holocentridae (Squirrelfishes)
 (638.H66) Homalopteridae
 see QL638.B153
- 638.H67 Hoplichthyidae
 638.H68 Horaichthyidae
 638.H93 Hypophthalmidae
 638.H935 Hypoptychidae
 638.I13 Icelidae
 638.I15 Ichthyboridae
 638.I23 Icosteidae (Ragfishes)
 638.I3 Ictaluridae (Freshwater catfishes)
 638.I35 Idiacanthidae
 638.I4 Indostomidae
 638.I6 Ipnopidae
 638.I86 Isonidae
 638.I88 Istiophoridae (Billfishes)
 638.J4 Jenynsiidae
 638.K3 Kasidoridae
 638.K5 Kneriidae
 638.K6 Korsogasteridae
 638.K7 Kraemeriidae
 638.K8 Kuhliidae
 638.K87 Kurtidae
 638.K9 Kyphosidae (Sea chubs)
 638.L115 Labracoglossidae
 638.L12 Labridae (Wrasses)
 638.L2 Lacteriidae
 638.L24 Lampridae (Opahs)
 638.L26 Latimeriidae
 638.L28 Latridae
 638.L3 Lebiasinidae
 638.L35 Leiognathidae
 638.L37 Lepidosirenidae
 638.L4 Lepisosteidae (Gars)
 638.L47 Leptoscopidae
 638.L48 Lethrinidae
 638.L5 Limnichthyidae
 638.L55 Linophrynidae
 Liparidae see QL638.C9
 638.L57 Lipogenidae
 638.L6 Lobotidae (Tripletails)

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z --

Continued

| | |
|-----------|----------------------------------|
| 638.L75 | Lophiidae (Goosefishes) |
| 638.L77 | Lophotidae (Crestfishes) |
| 638.L785 | Loricariidae (Armored catfishes) |
| 638.L8 | Luciocephalidae |
| 638.L9 | Lutjanidae (Snappers) |
| 638.L95 | Luvaridae (Louvars) |
| 638.M13 | Macristiidae |
| 638.M16 | Macrocephenchelyidae |
| 638.M165 | Macrorhamphosidae |
| 638.M2 | Macrouridae (Grenadiers) |
| 638.M22 | Macrurocyttidae |
| 638.M24 | Malacosteidae |
| 638.M246 | Malapteruridae |
| 638.M28 | Mastacembelidae |
| 638.M33 | Megalopidae (Tarpon) |
| 638.M34 | Melamphaeidae |
| 638.M35 | Melanocetidae |
| | Melanostomiidae see QL638.M3573 |
| 638.M3573 | Melanostomiidae |
| 638.M358 | Melanotaeniidae |
| 638.M37 | Menidae |
| 638.M4 | Merlucciidae |
| 638.M5 | Microdesmidae (Wormfishes) |
| | Microstomidae see QL638.B25 |
| 638.M57 | Mirapinnidae |
| 638.M6 | Mochokidae |
| 638.M64 | Molidae (Molas) |
| 638.M645 | Monacanthidae |
| 638.M65 | Monocentridae |
| 638.M653 | Monodactylidae |
| 638.M654 | Monognathidae |
| 638.M67 | Moridae |
| 638.M675 | Moringuidae (Spaghetti eels) |
| 638.M676 | Mormyridae |
| 638.M678 | Moronidae |
| 638.M8 | Mugilidae (Mulletts) |
| 638.M84 | Mugiloididae |
| 638.M85 | Mullidae (Goatfishes) |
| 638.M87 | Muraenesocidae (Pike congers) |
| 638.M875 | Muraenidae (Morays) |
| 638.M876 | Muraenolepididae |
| 638.M9 | Myctophidae (Lanternfishes) |

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z --

Continued

- | | |
|-----------|--------------------------------|
| 638.M97 | Myrocongridae |
| 638.N25 | Nandidae |
| 638.N3 | Neenchelyidae |
| 638.N33 | Nematistiidae |
| 638.N34 | Nemichthyidae (Snipe eels) |
| 638.N347 | Nemipteridae |
| 638.N36 | Neoceratiidae |
| 638.N38 | Neoscopelidae |
| 638.N387 | Neostethidae |
| 638.N4 | Nessorhamphidae |
| 638.N46 | Nettastomatidae |
| 638.N5 | Nomeidae |
| 638.N57 | Normanichthyidae |
| 638.N58 | Notacanthidae (Spiny eels) |
| 638.N586 | Notograptidae |
| 638.N5867 | Notopteridae |
| 638.N5873 | Notosudidae |
| 638.N6 | Nototheniidae |
| | Novumbridae see QL638.U5 |
| 638.O2 | Odacidae |
| 638.O3 | Ogcocephalidae (Batfishes) |
| 638.O4 | Olyridae |
| 638.O45 | Omosudidae |
| 638.O5 | Oneirodidae |
| 638.O633 | Ophichthidae (Snake eels) |
| 638.O634 | Ophiclinidae |
| 638.O637 | Ophidiidae (Cusk eels) |
| 638.O65 | Opisthognathidae (Jawfishes) |
| 638.O657 | Opisthoproctidae (Spookfishes) |
| 638.O67 | Oplegnathidae |
| 638.O7 | Oreosomatidae |
| 638.O78 | Oryziatidae |
| 638.O84 | Osmeridae (Smelts) |
| 638.O87 | Osphronemidae |
| 638.O88 | Osteoglossidae |
| 638.O887 | Ostraciontidae |
| 638.O9 | Owstoniidae |
| | Oxudercidae see QL638.G7 |
| 638.P254 | Pangasiidae |
| 638.P258 | Pantodontidae |
| 638.P3 | Paralepididae |
| 638.P315 | Parazenidae |

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z --

Continued

| | |
|------------|-------------------------------------|
| 638.P316 | Parodontidae |
| 638.P318 | Pataecidae |
| 638.P32 | Pegasidae |
| 638.P34 | Pempheridae (Sweepers) |
| 638.P35 | Pentacerotidae (Armorheads) |
| 638.P357 | Penatpodidae |
| 638.P358 | Percichthyidae |
| 638.P4 | Percidae (Perches; darters) |
| 638.P464 | Percophididae (Flatheads) |
| 638.P468 | Percopsidae (Trout-perches) |
| 638.P47 | Peronedysidae |
| 638.P5 | Phallostethidae |
| 638.P55 | Pholidichthyidae |
| 638.P56 | Pholididae (Gunnels) |
| 638.P57 | Phractolaemidae |
| 638.P58 | Phycidae |
| 638.P6 | Pimelodidae |
| 638.P62 | Platycephalidae |
| 638.P63 | Platyroctidae |
| 638.P64 | Plecoglossidae |
| 638.P648 | Plesiopidae |
| 638.P7 | Pleuronectidae (Righteye flounders) |
| 638.P72 | Plotosidae |
| 638.P73 | Poeciliidae (Livebearers) |
| 638.P747 | Polymixiidae (Beardfishes) |
| 638.P75 | Polynemidae (Threadfins) |
| 638.P755 | Polyodontidae (Paddlefishes) |
| 638.P76 | Polypteridae |
| 638.P768 | Pomacanthidae (Marine angelfishes) |
| 638.P77 | Pomacentridae (Damsel-fishes) |
| (638.P772) | Pomadasyidae (Grunts) |
| | see QL638.H23 |
| 638.P778 | Pomatomidae (Bluefishes) |
| 638.P785 | Priacanthidae (Bigeyes) |
| 638.P786 | Prochilodontidae |
| 638.P8 | Psettodidae |
| 638.P84 | Pseudochromidae |
| 638.P844 | Pseudogrammidae |
| | Pseudoplesiopidae see QL638.P84 |
| 638.P855 | Psilorhynchidae |
| 638.P88 | Psychrolutidae |
| 638.P9 | Ptilichthyidae (Quillfishes) |

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z --

Continued

- 638.P97 Pygidiidae see QL638.T76
 638.R3 Pyramodontidae
 638.R4 Rachycentridae (Cobias)
 638.R48 Regalecidae (Oarfishes)
 638.R5 Retropinnidae
 638.R55 Rhamphichthyidae
 638.R59 Rhinoprenidae
 638.R65 Rhyacichthyidae
 638.R68 Rondeletiidae
 638.R68 Rosauridae
 638.S15 Saccopharyngidae
 638.S18 Salangidae
 638.S2 Salmonidae (Trouts; whitefishes)
 638.S3 Scaridae (Parrotfishes)
 638.S32 Scatophagidae
 638.S334 Schilbeidae
 638.S335 Schindleriidae
 638.S34 Sciaenidae (Drums)
 638.S347 Scomberesocidae (Sauries)
 638.S35 Scombridae (Tuna; mackerel)
 638.S374 Scopelarchidae (Pearleyes)
 Scopelosauridae see QL638.N5873
 638.S38 Scopthalmidae
 638.S42 Scorpaenidae (Scorpionfishes)
 638.S45 Scytalinidae (Graveldivers)
 (638.S47) Searsidae (Tubeshoulders)
 see QL638.P63
 638.S48 Serranidae (Sea basses)
 (638.S483) Serrasalminidae
 see QL638.C5
 638.S485 Serrivomeridae
 638.S5 Siganidae
 638.S54 Sillaginidae
 638.S6 Siluridae (Old World catfishes)
 638.S64 Simenchelyidae
 638.S68 Sisoridae
 638.S7 Soleidae (Soles)
 638.S73 Solenostomidae
 638.S74 Sparidae (Porgies)
 638.S77 Sphyaenidae (Barracudas)
 638.S785 Stephanoberycidae
 638.S8 Sternoptychidae

Chordates. Vertebrates

Fishes

Systematic divisions

Osteichthys (Bony fishes). By family, A-Z --

Continued

- 638.S84 Stichaeidae (Pricklebacks)
 638.S86 Stomiidae
 638.S87 Stromateidae (Butterfishes)
 638.S88 Stylephoridae (Tube-eyes)
 Synancejidae see QL638.S42
 638.S892 Synphobranchidae
 638.S893 Synbranchidae
 638.S9 Syngnathidae (Pipefishes; seahorses)
 638.S96 Synodontidae (Lizardfishes)
 638.T27 Teraponidae
 Tetragonopteridae see QL638.C5
 638.T3 Tetragonuridae
 638.T32 Tetraodontidae (Puffers)
 Theraponidae see QL638.T27
 Thunnidae see QL638.S35
 638.T55 Todaridae
 638.T6 Toxotidae
 638.T68 Trachichthyidae
 638.T685 Trachinidae
 638.T69 Trachipteridae (Ribbonfishes)
 638.T695 Triacanthidae (Spikefishes)
 638.T7 Trichiuridae (Cutlassfishes)
 638.T73 Trichodontidae (Sandfishes)
 638.T76 Trichomycteridae
 638.T78 Trichonotidae
 638.T8 Triglidae (Searobins)
 638.T85 Triodontidae
 638.T87 Tripterygiidae
 638.T95 Trypauchenidae
 638.U5 Umbridae (Mudminnows)
 638.U7 Uranoscopidae (Stargazers)
 638.V4 Veliferidae
 638.X4 Xenocephalidae
 638.X45 Xenocongridae (False morays)
 638.X5 Xiphiidae (Swordfishes)
 638.Z3 Zaniolepididae
 638.Z36 Zaproridae (Prowfishes)
 638.Z4 Zeidae (Dories)
 638.Z6 Zoarcidae (Eelpouts)
- Agnatha (Jawless fishes)
 638.12 General works
 Myxini

Chordates. Vertebrates

Fishes

Systematic divisions

Agnatha (Jawless fishes)

Myxini -- Continued

Myxiniformes (Hagfishes)

638.14

General works

638.15.A-Z

By family, A-Z

(638.15.B35)

Bdellostomatidae

see QL638.15.M9

638.15.M9

Myxinidae

(638.15.P37)

Paramyxinidae

see QL638.15.M9

Cephalaspidomorphi

638.18

General works

Petromyzontiformes (Lampreys)

638.2

General works

638.25.A-Z

By family, A-Z

638.25.G45

Geotriidae

638.25.P48

Petromyzontidae

638.3

Dipnoid fishes

Class here general works only

For specific fishes see QL637.9+

638.5

Ganoid fishes

Class here general works only

For specific fishes see QL637.9+

Chondrichthyes (Cartilaginous fishes)

638.6

General works

Chimaeriformes

638.7

General works

638.75.A-Z

By family, A-Z

638.75.C4

Chimaeridae (Chimaeras)

Rajiformes (Rays)

638.8

General works

638.85.A-Z

By family, A-Z

638.85.A5

Anacanthobatidae

638.85.A7

Arhynchobatidae

638.85.D3

Dasyatidae (Stingrays)

638.85.G9

Gymnuridae

638.85.H48

Hexatrygonidae (Sixgill stingrays)

638.85.M6

Mobulidae (Manta rays)

638.85.M9

Myliobatidae (Eagle rays)

638.85.P6

Potamotrygonidae (Freshwater stingrays)

638.85.P7

Pristidae (Sawfishes)

638.85.R3

Rajidae (Skates)

638.85.R4

Rhinobatidae (Guitarfishes)

Rhinopteridae see QL638.85.M9

Chordates. Vertebrates

Fishes

Systematic divisions

Chondrichthyes (Cartilaginous fishes)

Rajiformes (Rays)

By family, A-Z -- Continued

638.85.R48

Rhynchobatidae

638.85.T6

Torpedinidae (Electric rays)

Urolophidae see QL638.85.D3

Sharks

638.9

General works

638.93

Shark attacks. Shark repellents

Systematic divisions

638.94.A-Z

By order, A-Z

Class species, genera, and families in
QL638.95Class single-family orders with the
family in QL638.95

638.94.C37

Carcharhiniformes (Ground sharks)

Heterodontiformes see QL638.95.H4

638.94.H49

Hexanchiformes

638.94.L36

Lamniformes

638.94.O74

Orectolobiformes (Carpet sharks)

Pristiophoriformes see QL638.95.P7

638.94.S75

Squaliformes

Squatiformes see QL638.95.S88

638.95.A-Z

By family, A-Z

638.95.A4

Alopiidae (Thresher sharks)

638.95.C3

Carcharhinidae (Requiem sharks)

Carchariidae see QL638.95.O3

638.95.C37

Cetorhinidae (Basking shark)

638.95.C4

Chlamydoselachidae (Frill shark)

Dalatiidae see QL638.95.S84

Echniorhinidae see QL638.95.S84

638.95.G55

Ginglymostomatidae (Nurse sharks)

638.95.H4

Heterodontidae (Bullhead sharks)

638.95.H48

Hexanchidae (Cow sharks)

Isuridae see QL638.95.L3

638.95.L3

Lamnidae (Mackerel sharks)

638.95.M58

Mitsukurinidae (Goblin shark)

638.95.O3

Odontaspidae (Sand tigers)

638.95.O7

Orectolobidae (Wobbegongs)

638.95.P7

Pristiophoridae (Saw sharks)

638.95.P8

Pseudotriakidae (False cat shark)

638.95.R4

Rhincodontidae (Whale shark)

638.95.S3

Scapanorhynchidae

638.95.S38

Scyliorhinidae (Cat sharks)

Chordates. Vertebrates

Fishes

Systematic divisions

Chondrichthyes (Cartilaginous fishes)

Sharks

Systematic divisions

By family, A-Z -- Continued

- 638.95.S7 Sphyrnidae (Hammerhead sharks)
- 638.95.S84 Squalidae (Dogfish sharks)
- 638.95.S88 Squatinidae (Angel sharks)
- 638.95.S92 Stegostomatidae (Zebra shark)
- 638.95.T75 Triakidae (Houndsharks)

638.97 Immunology

638.99 Genetics

639 Anatomy and morphology

639.1 Physiology

Including electrophysiology and electric fishes

For effects of pollution, disease, etc. see SH171+

639.15 Age determination. Age/growth calculations.

Length/weight relationships

For particular groups or species see QL637.9+

639.16 Racial analysis

639.2 Reproduction and spawning

Cf. SH155.6 Artificial spawning

Cf. SH155.7 Induced spawning

639.25 Development. Eggs and larvae

639.3 Behavior

639.4 Locomotion

639.5 Migration. Diadromy

Cf. SH156.8 Fish tagging

639.6 Vertical distribution

Including diel vertical migration

639.8 Ecology

Reptiles and amphibians

640 Periodicals, societies, congresses, serial publications

640.5 Collected works (nonserial)

640.7 Dictionaries and encyclopedias

641 General works, treatises, and textbooks

643 Pictorial works and atlases

644 Popular works

644.2 Juvenile works

Rare and endangered species

644.7 General works

644.73.A-Z By region or country, A-Z

Chordates. Vertebrates

Reptiles and amphibians -- Continued

Extinct reptiles and/or amphibians

644.8 General works

644.83.A-Z By region or country, A-Z

645 Classification. Nomenclature

645.2 Catalogs and collections

Evolution

645.3 General works

645.4 Speciation

645.5 Variation

Study and teaching. Research

645.6 General works

645.63.A-Z By region or country, A-Z

645.65 Collection and preservation

645.7 Dangerous reptiles

Geographical distribution

Class here works on the reptiles and/or
amphibians of a specific regionFor geographical distribution of systematic
divisions see QL666.A+

648 General works

North America

651 General works

United States

652 General works

653.A-Z By region or state, A-Z

654 Canada

Latin America

654.5 General works

655 Mexico

Including Yucatán Peninsula

656 Central America (Table Q3)

656.5 West Indies (Table Q3)

657 South America (Table Q3)

658 Europe (Table Q3)

661 Asia (Table Q3)

662 Africa (Table Q3)

663 Australia

663.5 New Zealand

664 Pacific islands (Table Q3)

664.2 Arctic regions

664.4 Antarctica

664.6 Tropics

Systematic divisions

Reptiles

665 General works, treatises, and textbooks

Chordates. Vertebrates

Reptiles and amphibians

Systematic divisions

Reptiles -- Continued

Juvenile works see QL644.2

Geographical distribution see QL648+

666.A-Z

By order and family, A-Z

Amphisbaenia see QL666.L192+

Chelonia (Testudinata; turtles)

666.C5

General works

666.C52

Carettochelyidae (Pitted-shell turtles)

666.C535

Chelidae

666.C536

Cheloniidae

666.C539

Chelydridae

666.C54

Dermatemydidae

666.C546

Dermochelyidae (Leatherback turtle)

666.C547

Emydidae (Box turtles)

666.C55

Kinosternidae

666.C57

Pelomedusidae

666.C584

Testudinidae (Tortoises)

666.C587

Trionychidae (Softshell turtles)

Crocodylia (Crocodylians)

666.C9

General works

666.C925

Crocodylidae (Alligators; crocodiles;
caimans; gavial)

(666.C94)

Gavialidae

see QL666.C925

Squamata

666.L19

General works

Amphisbaenia

666.L192

General works

666.L193

Amphisbaenidae

666.L194

Bipedidae

Lacertilia (Sauria; lizards)

666.L2

General works

666.L223

Agamidae

Amphisbaenidae see QL666.L192+

666.L225

Anelytropsidae

666.L2254

Anguidae (Glass lizards)

666.L2256

Anniellidae

666.L23

Chamaeleontidae

666.L234

Cordylidae (Girdle-tailed lizards)

666.L236

Corytophanidae

666.L237

Crotaphytidae

666.L238

Dibamidae

666.L24

Eublepharidae

666.L243

Feylinidae

Chordates. Vertebrates

Reptiles and amphibians

Systematic divisions

Reptiles

By order and family, A-Z

Squamata

Lacertilia (Sauria; lizards) -- Continued

- 666.L245 Gekkonidae (Geckos)
 666.L247 Helodermatidae (Gila monsters)
 666.L248 Hoplocercidae
 666.L25 Iguanidae
 666.L255 Lacertidae
 666.L2556 Lanthanotidae
 666.L265 Opluridae
 666.L267 Phrynosomatidae
 666.L268 Polychrotidae
 666.L27 Pygopodidae
 666.L28 Scincidae (Skinks)
 Sphaerodactylidae see QL666.L245
 Teiidae
 Tropiduridae
 Varanidae (Monitor lizards)
 Xantusiidae
 Xenosauridae
- Serpentes (Ophidia; snakes)
- 666.O6 General works
 666.O62 Acrochordidae (Wart snakes; file snakes)
 666.O625 Aniliidae (False coral snakes; coral pipe snakes)
 666.O626 Anomalepididae (Primitive blind snakes; dawn blind snakes)
 666.O6265 Anomochilidae (Dwarf pipe snakes)
 666.O627 Atractaspididae (Mole vipers)
 666.O63 Boidae (Boas)
 666.O633 Bolyeriidae (Round Island boas)
 666.O636 Colubridae
 Crotalidae see QL666.O69
 666.O638 Cylindrophiiidae (Asian pipe snakes)
 666.O64 Elapidae
 666.O645 Hydrophiidae (Sea snakes)
 666.O65 Leptotyphlopidae (Slender blind snakes)
 666.O66 Loxocemidae (Mexican burrowing pythons)
 666.O67 Pythonidae
 666.O68 Tropidophiidae (Dwarf boas)
 666.O685 Typhlopidae (Blind snakes)
 666.O688 Uropeltidae (Shield-tailed snakes)
 666.O69 Viperidae (Vipers and pit vipers)

Chordates. Vertebrates

Reptiles and amphibians

Systematic divisions

Reptiles

By order and family, A-Z

Squamata

Serpentes (Ophidia; snakes) -- Continued

666.O694

Xenopeltidae (Sunbeam snakes)

Rhynchocephalia

666.R4

General works

666.R48

Sphenodontidae (Tuatara)

Squamata see QL666.L19+

Amphibians

667

General works, treatises, and textbooks

Juvenile works see QL644.2

Geographical distribution see QL648+

668.A-Z

By order and family, A-Z

Gymnophiona (Apoda; caecilians)

668.A6

General works

668.A63

Caeciliidae

668.A65

Ichthyophiidae

668.A67

Rhinatreumatidae

668.A68

Scolecomorphidae

668.A69

Uraeotyphlidae

Caudata (Urodela; salamanders; newts)

668.C2

General works

668.C23

Ambystomatidae (Mole salamanders)

668.C237

Amphiumidae

668.C24

Cryptobranchidae

668.C243

Dicamptodontidae

668.C25

Hynobiidae

668.C274

Plethodontidae (Lungless salamanders)

668.C277

Proteidae

668.C278

Rhyacotritonidae

668.C28

Salamandridae (Newts)

668.C285

Sirenidae

Ecaudata (Anura; Salientia; frogs; toads)

668.E2

General works

668.E217

Ascaphidae (Tailed frogs)

668.E22

Atelopodidae

668.E225

Brevicipitidae

668.E227

Bufonidae (Toads)

668.E23

Centrolenidae (Glass frogs)

668.E233

Dendrobatidae

668.E235

Discoglossidae

668.E24

Hylidae (Tree frogs)

668.E244

Hyperoliidae

- Chordates. Vertebrates
 - Reptiles and amphibians
 - Systematic divisions
 - Amphibians
 - By order and family, A-Z
 - Ecaudata (Anura; Salientia; frogs; toads)
 - Continued
 - 668.E255 Leiopelmatidae
 - 668.E257 Leptodactylidae (Robber frogs)
 - 668.E259 Mantellidae
 - 668.E26 Microhylidae (Narrow-mouthed toads)
 - 668.E2615 Myobatrachidae
 - 668.E262 Pelobatidae (Spadefoot toads)
 - 668.E2626 Pelodyadidae
 - 668.E263 Pelodytidae
 - 668.E264 Phrynomeridae
 - 668.E265 Pipidae
 - 668.E268 Pseudidae
 - 668.E27 Ranidae (Frogs)
 - 668.E274 Rhacophoridae
 - 668.E275 Rhinophrynidae
 - 668.5 Genetics
 - 669 Anatomy and morphology
 - 669.2 Physiology
 - 669.25 Age determination. Life spans. Longevity
 - 669.3 Reproduction
 - 669.5 Behavior
 - 669.8 Ecology
 - Birds
 - 671 Periodicals, societies, congresses, serial publications
 - 672 Collected works (nonserial)
 - 672.2 Dictionaries and encyclopedias
 - Communication of ornithological information
 - 672.5 Ornithological literature
 - 672.6 Language. Authorship
 - History
 - 672.7 General works
 - 672.73.A-Z By region or country, A-Z
 - 673 General works, treatises, and textbooks
 - 674 Pictorial works and atlases
 - 674.4 Ornithological illustration
 - 675 Birds' eggs and nests
 - 676 Popular works
 - 676.2 Juvenile works

Chordates. Vertebrates

Birds -- Continued

Bird protection. Bird refuges. Bird attracting
Including birdhouses, bird feeders, etc.,
and gardening to attract birds
Cf. SK351+ Wildlife management. Game
protection

676.5

General works

By region or country

United States

676.55

General works

676.56.A-Z

By region or state, A-Z

676.57.A-Z

Other regions or countries, A-Z

676.7

Rare and endangered species

For local see QL676.55+

676.8

Extinct birds

677

Classification. Nomenclature

677.2

Catalogs and collections

677.3

Evolution

677.4

Population dynamics

677.5

Study and teaching. Research

Including census taking, bird banding, and
general works on bird watching and
birding sites

677.7

Collection and preservation

677.75

Dangerous birds

677.78

Birds of prey. Raptors

Cf. QL696.F3+ Falconiformes

Cf. QL696.S8+ Strigiformes

677.79.A-Z

Other types of birds, A-Z

677.79.C38

Cavity-nesting birds

677.79.E85

Exotic birds

677.79.F55

Flightless birds

677.79.F67

Forest birds

Game birds

see SF508+ Animal culture; SK311+ Hunting

677.79.I58

Introduced birds

677.79.N63

Nocturnal birds

Ornamental birds see SF512+

677.79.P37

Parasitic birds

677.79.P57

Piscivorous birds

Talking birds see SF462.8

Water birds see QL678.5+

677.8

Aviaries. Bird exhibitions

Geographical distribution

For geographical distribution of systematic
divisions see QL696.A+

Chordates. Vertebrates

Birds

Geographical distribution -- Continued

678

General works

Physiographic divisions

For birds of a particular region or country or off the coast of a particular region or country see QL680+

Aquatic birds. Water birds

Including shore birds

For waterfowl see SF510.W3 Animal culture; SK331+ Hunting

678.5

General works

Marine birds. Sea birds

678.52

General works

By region

678.55

Atlantic Ocean

678.6

Indian Ocean

678.65

Pacific Ocean

Topographical divisions

679

Zone divisions

e.g. Palaeartic region

America

680

General works

North America and United States

681

General works

United States

682

General works

683.A-Z

By region, A-Z

684.A-.W

By state, A-W

Canada

685

General works

685.5.A-Z

By region or province, A-Z

Latin America

685.7

General works

686

Mexico

687

Central America (Table Q3)

688

West Indies (Table Q3)

689

South America (Table Q3)

690

Europe (Table Q3)

691

Asia (Table Q3)

691.5

Arab countries (General)

692

Africa (Table Q3)

693

Australia

693.5

New Zealand

694

Pacific islands (Table Q3)

694.5

Atlantic islands (Table Q3)

Chordates. Vertebrates

Birds

Geographical distribution -- Continued

694.7

Indian Ocean islands

695

Arctic regions

695.2

Antarctica

695.5

Tropics

696.A-Z

Systematic divisions. By order and family, A-Z

Accipitriformes see QL696.F3+

Alciformes see QL696.C4+

Anseriformes

696.A5

General works

696.A52

Anatidae (Ducks; geese; swans)

696.A53

Anhimidae (Screamers)

Apodiformes

696.A55

General works

696.A552

Apodidae (Swifts)

696.A554

Hemiprocnidae (Crested swifts)

696.A558

Trochilidae (Hummingbirds)

Apterygiformes

696.A6

General works

696.A63

Apterygidae (Kiwis)

Ardeiformes see QL696.C5+

Caprimulgiformes

696.C2

General works

696.C22

Aegothelidae (Owlet frogmouths)

696.C23

Caprimulgidae (Goatsuckers)

696.C25

Nyctibiidae (Potoos)

696.C26

Podargidae (Frogmouths)

696.C28

Steatornithidae (Oilbirds)

Casuariiformes

696.C3

General works

696.C33

Casuariidae (Cassowaries)

696.C34

Dromiceidae (Emus)

Charadriiformes

696.C4

General works

696.C42

Alcidae (Auks; auklets; murre)

696.C428

Burhinidae (Thick-knees)

696.C43

Charadriidae (Plovers; turnstones; surfbirds)

696.C435

Chionididae (Sheathbills)

696.C44

Dromadidae (Crab plovers)

696.C448

Glareolidae (Pratincoles; coursers)

696.C452

Haematopodidae (Oystercatchers)

696.C457

Jacanidae (Jacanas)

696.C46

Laridae (Gulls; terns; skuas; jaegers)

696.C465

Pedionomidae

Chordates. Vertebrates

Birds

Systematic divisions. By order and family, A-Z

Charadriiformes -- Continued

- (696.C47) Phalaropodidae (Phalaropes)
see QL696.C48
- 696.C473 Recurvirostridae (Avocets; stilts)
- 696.C477 Rostratulidae (Painted snipes)
- 696.C479 Rynchopidae (Skimmers)
- 696.C48 Scolopacidae (Snipes; woodcocks; sandpipers;
phalaropes)
- (696.C488) Stercorariidae
see QL696.C46
- 696.C49 Thinocoridae (Seedsnipes)

Ciconiiformes

- 696.C5 General works
- 696.C52 Ardeidae (Hérons; bitterns)
- 696.C525 Balaenicipitidae (Shoebills)
- 696.C53 Cathartidae (New World vultures)
- 696.C535 Ciconiidae (Storks; jabirus)
- 696.C536 Cochleariidae (Boatbilled herons)
- 696.C56 Phoenicopteridae (Flamingos)
- 696.C58 Scopidae (Hammerheads)
- 696.C585 Threskiornithidae (Ibises; spoonbills)

Coccyges see QL696.C8+

Coliiformes

- 696.C59 General works
- 696.C593 Coliidae (Colies)

Columbiformes

- 696.C6 General works
- 696.C63 Columbidae (Pigeons; doves)
- 696.C66 Pteroclididae (Sandgrouses)
- 696.C67 Raphidae (Dodos; solitaires)

Coraciiformes

- 696.C7 General works
- 696.C72 Alcedinidae (Kingfishers)
- 696.C725 Brachypteraciidae (Groundrollers)
- 696.C729 Bucerotidae (Hornbills)
- 696.C73 Coraciidae (Rollers)
- 696.C74 Leptosomatidae (Cuckoo rollers)
- 696.C754 Meropidae (Bee-eaters)
- 696.C756 Momotidae (Motmots)
- 696.C77 Phoeniculidae (Woodhoopoes)
- 696.C78 Todidae (Todies)
- 696.C79 Upupidae (Hoopoes)

Cuculiformes

- 696.C8 General works

Chordates. Vertebrates

Birds

Systematic divisions. By order and family, A-Z

Cuculiformes -- Continued

- 696.C83 Cuculidae (Cuckoos; roadrunners; anis)
 696.C85 Musophagidae (Plaintain-eaters; touracos)
 Cypseliformes see QL696.A55+

Falconiformes

- 696.F3 General works
 696.F32 Accipitridae (Hawks; Old World vultures;
 harriers)
 Including vultures (General)
 (696.F33) Cathartidae (New World vultures)
 see QL696.C53
 696.F34 Falconidae (Falcons; caracaras)
 696.F36 Pandionidae (Ospreys)
 696.F38 Sagittariidae (Secretarybirds)

Galliformes

- 696.G2 General works
 696.G23 Cracidae (Curassows; guans; chachalacas)
 696.G25 Megapodiidae (Megapodes)
 (696.G254) Meleagrididae (Turkeys)
 see QL696.G27
 696.G258 Numididae (Guineafowl)
 696.G259 Odontophoridae (New World quails)
 696.G26 Opisthocomidae (Hoatzins)
 696.G27 Phasianidae (Pheasants, Old World quails,
 grouse, partridges, peafowls, turkeys)
 696.G285 Tetraonidae (Grouse)

Gaviiformes

- 696.G3 General works
 696.G33 Gaviidae (Loons)

Gruiformes

- 696.G8 General works
 696.G82 Aramidae (Limpkins)
 696.G827 Cariamidae (Seriemas)
 696.G83 Eurypgidae (Sunbitterns)
 696.G84 Gruidae (Cranes)
 696.G845 Heliornithidae (Sungrebes)
 696.G85 Mesitornithidae (Roatelos)
 696.G86 Otididae (Bustards)
 Pedionomidae see QL696.C465
 696.G874 Psophiidae (Trumpeters)
 696.G876 Rallidae (Rails; coots)
 696.G878 Rhynochetidae (Kagus)
 696.G89 Turnicidae (Bustardquails)
 Halcyones see QL696.C72

Chordates. Vertebrates

Birds

Systematic divisions. By order and family, A-Z
-- Continued

Lariformes see QL696.C46

Limicolae see QL696.C4+

Meropidae see QL696.C754

Musophagiformes see QL696.C85

Passeriformes

- 696.P2 General works
- 696.P212 Acanthisittidae (New Zealand wrens)
- 696.P213 Acanthizidae (Australasian warblers)
- 696.P2135 Aegithalidae (Long-tailed tits; bushtits)
- 696.P214 Aegithinidae see QL696.P2344
- 696.P216 Alaudidae (Larks)
- 696.P218 Artamidae (Woodswallows)
- 696.P22 Atrichornithidae (Scrubbirds)
- 696.P224 Bombycillidae (Waxwings)
- 696.P224 Callaeidae (Wattled crows; huias; saddlebacks)
- 696.P225 Campephagidae (Cuckoo shrikes)
- 696.P228 Catamblyrhynchidae (Plushcapped finches)
- 696.P23 Certhiidae (Creepers)
- 696.P234 Chamaeidae (Wrentits)
- 696.P2344 Chloropseidae (Leafbirds)
- 696.P235 Cinclinidae (Dippers)
- 696.P236 Coerebidae (Honeycreepers)
- 696.P2365 Conopophagidae (Antpipits)
- 696.P2367 Corvidae (Crows; magpies; jays)
- 696.P2368 Cotingidae (Cotingas)
- 696.P237 Cracticidae (Bell magpies; Australian butcherbirds)
- 696.P239 Cyclarhidae (Peppershrikes)
- 696.P24 Dendrocolaptidae (Woodhewers)
- 696.P242 Dicaeidae (Flowerpeckers)
- 696.P2427 Dicruridae (Drongos)
- 696.P243 Drepanididae (Hawaiian honeycreepers)
- 696.P2435 Dulidae (Palmchats)
- 696.P2438 Emberizidae (Buntings; American sparrows; wood warblers)
- 696.P2439 Eopsaltriidae (Australian robins)
- 696.P244 Estrildidae (Waxbills)
- 696.P245 Eurylaimidae (Broadbills)
- 696.P2455 Formicariidae (Ant thrushes)
- 696.P246 Fringillidae (Finches)
- 696.P2464 Furnariidae (Ovenbirds)
- 696.P2468 Grallinidae (Magpie larks)

Chordates. Vertebrates

Birds

Systematic divisions. By order and family, A-Z

Passeriformes -- Continued

- 696.P247 Hirundinidae (Swallows)
 696.P2474 Hypositidae (Caralilled nuthatches)
 696.P2475 Icteridae (Blackbirds; troupials)
 Irenidae see QL696.P2585
 696.P248 Laniidae (Shrikes)
 696.P2485 Maluridae (Australian wrens)
 696.P249 Meliphagidae (Honeyeaters)
 696.P2495 Menuridae (Lyrebirds)
 696.P25 Mimidae (Thrashers; mockingbirds)
 696.P252 Motacillidae (Wagtails; pipits)
 696.P255 Muscicapidae (Old World flycatchers)
 696.P257 Nectariniidae (Sunbirds)
 696.P2585 Oriolidae (Old World flycatchers)
 696.P259 Oxyruncidae (Sharpbills)
 696.P2595 Pachycephalidae
 696.P26 Paradisaeidae (Birds of paradise)
 696.P2612 Paradoxornithidae (Parrotbills; suthoras)
 696.P2615 Paridae (Titmice)
 (696.P2618) Parulidae
 see QL696.P2438
 696.P262 Passeridae
 696.P2625 Philepittidae (Asities; false sunbirds)
 696.P2629 Phytotomidae (Plantcutters)
 696.P263 Pipridae (Manakins)
 696.P2634 Pittidae (Pittas)
 696.P264 Ploceidae (Weaverbirds)
 696.P265 Prionopidae (Weaverbirds)
 696.P266 Prunellidae (Accentors)
 696.P267 Ptilonotidae (Silky flycatchers)
 696.P2675 Ptilonorhynchidae (Bowerbirds)
 696.P268 Pycnonotidae (Bulbuls)
 696.P27 Regulidae (Kinglets)
 696.P272 Remizidae
 696.P273 Rhinocryptidae (Tapaculos)
 696.P275 Sittidae (Nuthatches)
 696.P278 Sturnidae (Starlings)
 696.P279 Sylviidae (Old World warblers)
 696.P28 Tersinidae (Swallow tanagers)
 696.P282 Thraupidae (Tanagers)
 696.P285 Timaliidae (Babblers)
 696.P287 Troglodytidae (Wrens)
 696.P288 Turdidae (Thrushes)
 696.P289 Tyrannidae (Tyrant flycatchers)

Chordates. Vertebrates

Birds

Systematic divisions. By order and family, A-Z

Passeriformes -- Continued

- 696.P29 Vangidae (Vanga shrikes)
 696.P294 Vireolaniidae (Shrike vireos)
 696.P2945 Vireonidae (Vireos)
 696.P296 Zeledoniidae (Wrenthrushes)
 696.P298 Zosteropidae (White-eyes)

Pelecaniformes

- 696.P4 General works
 696.P42 Anhingidae (Snake-birds)
 696.P45 Fregatidae (Frigate birds)
 696.P47 Pelecanidae (Pelicans)
 696.P474 Phaethontidae (Tropicbirds)
 696.P4745 Phalacrocoracidae (Cormorants)
 696.P48 Sulidae (Boobies; gannets)

Phoenicopteriformes see QL696.C56

Piciformes

- 696.P5 General works
 696.P52 Bucconidae (Puffbirds)
 696.P53 Capitonidae (Barbets)
 696.P54 Galbulidae (Jacamars)
 696.P55 Indicatoridae (Honeyguides)
 696.P56 Picidae (Woodpeckers)
 696.P57 Ramphastidae (Toucans)

Podicipediformes

- 696.P58 General works
 696.P586 Podicipedidae (Grebes)

Procellariiformes

- 696.P6 General works
 696.P63 Diomedeidae (Albatrosses)
 696.P64 Hydrobatidae (Storm petrels)
 696.P66 Pelecanoididae (Diving petrels)
 696.P665 Procellariidae (Shearwaters; fulmars)
 696.P7

Psittaciformes (Parrots)

Puffinidae see QL696.P665

Pygopodes see QL696.P586

Pygopodes (Gaviidae) see QL696.G33

Rhamphastidae see QL696.P57

Rheiformes

- 696.R37 General works
 696.R4 Rheidae (Rheas)

Scansores

see QL671+

Sphenisciformes

- 696.S47 General works

Chordates. Vertebrates

Birds

Systematic divisions. By order and family, A-Z

- 696.S473 Sphenisciformes -- Continued
 Spheniscidae (Penguins)
 Steganopodes see QL696.P4+
- 696.S8 Strigiformes
 General works
- 696.S83 Strigidae (Owls)
- 696.S85 Tytonidae (Barn owls)
- 696.S87 Struthioniformes
 General works
- 696.S9 Struthionidae (Ostriches)
- 696.T37 Tinamiformes
 General works
- 696.T4 Tinamidae (Tinamous)
- Trochili see QL696.A558
- 696.T67 Trogoniformes
 General works
- 696.T7 Trogonidae (Trogons)
- 696.5 Genetics
- 697 Anatomy and morphology
- 698 Physiology
- 698.2 Reproduction
- 698.3 Behavior
 Including social life and instinct
- Eggs and nests see QL675
- Bird banding see QL677.5
- 698.4 Food
- 698.5 Song. Vocalization
- 698.7 Flight
- 698.8 Navigation
- 698.85 Orientation
- 698.9 Migration
- 698.95 Ecology
- 699 Miscellany and curiosa
 For birds of the Bible see BS664
- Mammals
- 700 Periodicals, societies, congresses, serial publications
- 701 Collected works (nonserial)
- 701.2 Dictionaries and encyclopedias
- 703 General works, treatises, and textbooks
- 704 Compendis
- 705 Pictorial works and atlases

Chordates. Vertebrates

Mammals -- Continued

- 706 Popular works
For popular works on domestic animals see SF41
- 706.2 Juvenile works
- 706.4 Study and teaching. Research
- 706.5.A-Z Special topics, A-Z
- 706.5.D38 Data processing
- Rare and endangered species
- 706.8 General works
- 706.83.A-Z By region or country, A-Z
- 707 Extinct mammals
- 708 Classification. Nomenclature
- 708.2 Catalogs and collections
- 708.4 Collection and preservation
- 708.5 Evolution. Speciation
- 708.6 Population dynamics
- Geographical distribution
For geographical distribution of systematic divisions see QL737.A+
- 708.7 General works
- Physiographic divisions
- Aquatic
- 713 General works
- Marine
- 713.2 General works
- By region
For marine mammals of a particular region or country or off the coast of a particular region or country see QL715+
- 713.25 Atlantic Ocean
- 713.35 Pacific Ocean
- Topographical divisions
- North America
- 715 General works
- United States
- 717 General works
- 719.A-Z By region or state, A-Z
- Canada
- 721 General works
- 721.5.A-Z By region or province, A-Z
- Latin America
- 721.8 General works
- 722 Mexico
- 723 Central America (Table Q3)

Chordates. Vertebrates

Mammals

Geographical distribution

Topographical divisions

Latin America -- Continued

724 West Indies (Table Q3)

725 South America (Table Q3)

Europe

726 General works

727 Great Britain

728.A-Z Other regions or countries, A-Z

729 Asia (Table Q3)

731 Africa (Table Q3)

Australasia

732.8 General works

733 Australia

734 New Zealand

735 Pacific islands (Table Q3)

736 Arctic regions. Greenland

736.2 Antarctica

736.5 Tropics

737.A-Z Systematic divisions. By order and family, A-Z

Afrosoricida. Tenrecomorpha

737.A35 General works

737.A352 Chrysochloridae (Golden moles)

737.A357 Tenrecidae (Tenrecs)

Carnivora

737.C2 General works

737.C214 Ailuropidae (Pandas)

737.C22 Canidae (Dogs)

For domestic dogs see SF421+

737.C23 Felidae (Cats)

For domestic cats see SF441+

737.C235 Herpestidae (Mongooses)

737.C24 Hyaenidae (Hyenas)

737.C25 Mustelidae (Weasels, etc.)

737.C26 Procyonidae (Raccoons)

737.C27 Ursidae (Bears)

737.C28 Viverridae (Civets, etc.)

Cetacea

737.C4 General works

Mysticeti (Baleen whales)

737.C42 General works

737.C423 Balaenidae (Right whales)

737.C424 Balaenopteridae (Rorquals)

737.C425 Eschrichtiidae (Gray whales)

737.C427 Neobalaenidae

Chordates. Vertebrates

Mammals

Systematic divisions. By order and family, A-Z

Cetacea -- Continued

Odontoceti (Toothed whales)

737.C43

General works

737.C432

Delphinidae (Dolphins)

737.C433

Monodontidae (Belugas; narwhales)

737.C434

Phocoenidae (Porpoises)

737.C435

Physeteridae (Sperm whales)

737.C436

Platanistidae (River dolphins)

Stenidae see QL737.C432

737.C438

Ziphiidae (Beaked whales)

Chiroptera

737.C5

General works

737.C52

Desmodontidae (Vampires)

737.C525

Emballonuridae (Sac-winged bats)

737.C53

Furipteridae (Smoky bats)

737.C533

Hipposideridae (Old World leaf-nosed bats)

737.C535

Megadermatidae (False vampires)

737.C54

Molossidae (Free-tailed bats)

737.C543

Mormoopidae

737.C545

Mystacinidae (New Zealand short-tailed bats)

737.C55

Myzopodidae (Old World sucker-footed bats)

737.C555

Natalidae (Funnel-eared bats)

737.C56

Noctilionidae (Fisherman bats)

737.C565

Nycteridae (Slit-faced bats)

737.C57

Phyllostomidae (American leaf-nosed bats)

737.C575

Pteropodidae (Old World fruit bats)

737.C58

Rhinolophidae (Horseshoe bats)

737.C585

Rhinopomatidae (Mouse-tailed bats)

737.C59

Thyropteridae (Disk-winged bats)

737.C595

Vespertilionidae

Dermoptera

737.D35

General works

737.D4

Cynocephalidae (Flying lemurs)

Edentata. Xenarthra

737.E2

General works

737.E22

Bradypodidae (Three-toed tree sloths)

737.E23

Dasypodidae (Armadillos)

737.E238

Megalonychidae (Two-toed tree sloths)

737.E24

Myrmecophagidae (Anteaters)

Hyracoidea

737.H85

General works

737.H9

Procaviidae (Hyraxes)

Insectivora

737.I5

General works

Chordates. Vertebrates

Mammals

Systematic divisions. By order and family, A-Z

Insectivora -- Continued

(737.I52)

Chrysochloridae

see QL737.A352

737.I53

Erinaceidae (Hedgehogs)

(737.I54)

Macroscelididae (Elephant shrews)

see QL737.M242

737.I545

Potamogalidae (Water shrews)

737.I55

Solenodontidae (Solenodons)

737.I56

Soricidae (Shrews)

737.I57

Talpidae (Moles)

(737.I58)

Tenrecidae

see QL737.A357

Lagomorpha

737.L3

General works

737.L32

Leporidae (Rabbits; hares)

737.L33

Ochotonidae (Pikas)

Macroscelidea

737.M24

General works

737.M242

Macroscelididae (Elephant shrews)

Marsupialia. Marsupials

737.M3

General works

Dasyuromorphia

737.M325

General works

737.M33

Dasyuridae (Marsupial mice, Marsupial cats)

737.M335

Myrmecobiidae (Numbat)

737.M336

Thylacinidae (Thylacine)

Didelphimorphia

737.M337

General works

737.M34

Didelphidae (American opossums)

Diprotodontia

737.M345

General works

737.M346

Acrobatidae

737.M347

Burramyidae (Pygmy possums)

737.M35

Macropodidae (Kangaroos, wallabies)

737.M373

Petauridae

737.M38

Phalangeridae (Phalangers)

737.M384

Phascolarctidae (Koalas)

737.M386

Potoroidae (Bettongs, potoroos,
rat-kangaroos)

737.M387

Pseudocheiridae

737.M3875

Tarsipedidae

737.M39

Vombatidae (Wombats)

Microbiotheria

737.M43

General works

Chordates. Vertebrates

Mammals

Systematic divisions. By order and family, A-Z

Marsupialia

Microbiotheria -- Continued

737.M435

Microbiotheriidae

Notoryctemorphia

737.M44

General works

737.M445

Notoryctidae (Marsupial moles)

Paucituberculata

737.M46

General works

737.M463

Caenolestidae (Rat opossums)

Peramelemorphia (Bandicoots)

737.M47

General works

737.M475

Peramelidae

737.M476

Peroryctidae

Monotremata

737.M7

General works

737.M72

Ornithorhynchidae (Platypus)

737.M73

Tachyglossidae (Echidnas)

Pholidota

737.P4

General works

737.P5

Manidae (Pangolins)

Pinnipedia

737.P6

General works

737.P62

Odobenidae (Walrus)

737.P63

Otariidae (Eared seals)

737.P64

Phocidae (Seals)

Primates

737.P9

General works

737.P917

Callimiconidae

737.P92

Callitrichidae (Marmosets; tamarins)

737.P925

Cebidae (New World monkeys)

737.P93

Cercopithecidae (Old World monkeys)

737.P933

Cheirogaleidae

737.P935

Daubentoniidae (Aye-ayes)

737.P937

Galagonidae (Galagos)

(737.P94)

Hominidae

see GN51+

737.P945

Indridae

737.P95

Lemuridae (Large lemurs)

737.P955

Lorisidae (Lorises; pottos)

737.P96

Pongidae (Apes)

737.P965

Tarsiidae (Tarsiers)

(737.P968)

Tupaiaidae (Tree shrews)

see QL737.S254

Proboscidea

Chordates. Vertebrates

Mammals

Systematic divisions. By order and family, A-Z

Proboscidea -- Continued

737.P97

General works

737.P98

Elephantidae (Elephants)

Rodentia

737.R6

General works

737.R62

Abrocomidae

737.R623

Agoutidae (Pacas)

737.R624

Anomaluridae (Scaly-tailed squirrels)

737.R626

Aplodontidae (Mountain beavers)

737.R628

Bathyergidae (African mole rats)

737.R63

Capromyidae (Nutrias)

737.R632

Castoridae (Beavers)

737.R634

Caviidae (Cavies)

737.R636

Chinchillidae (Chinchillas)

(737.R638)

Cricetidae (New World rats and mice)

see QL737.R666

737.R64

Ctenodactylidae (Gundis)

737.R642

Ctenomyidae (Tucu-tucos)

737.R644

Dasyproctidae (Agoutis; acouchis)

737.R646

Dinomyidae (Pacaranas)

737.R648

Dipodidae (Jerboas)

737.R65

Echimyidae (Spiny rats)

737.R652

Erethizontidae (New World porcupines)

737.R654

Geomyidae (Pocket gophers)

737.R656

Gliridae (Dormice)

737.R66

Heteromyidae (Pocket mice; kangaroo rats)

737.R662

Hydrochaeridae (Capybara)

737.R664

Hystricidae (Old World porcupine)

737.R666

Muridae (Old World rats and mice)

737.R668

Myocastoridae (Coypus)

737.R67

Octodontidae

737.R672

Pedetidae (Springhares)

737.R674

Petromyidae (Rock mice)

737.R676

Platacanthomyidae (Spiny dormice)

737.R678

Rhizomyidae

737.R68

Sciuridae (Squirrels)

737.R682

Seleviniidae (Desert dormice)

737.R684

Spalacidae (Mole-rats)

737.R686

Thyronomyidae (Cane rats)

737.R688

Zapodidae (Jumping mice)

Scandentia

737.S25

General works

737.S254

Tupauidae (Tree shrews)

Sirenia

Chordates. Vertebrates

Mammals

Systematic divisions. By order and family, A-Z

Sirenia -- Continued

737.S6

General works

737.S62

Dugongidae (Dugongs)

737.S63

Trichechidae (Manatees)

Tubulidentata

737.T75

General works

737.T8

Orycteropodidae (Aardvarks)

Ungulata

737.U4

General works

Artiodactyla (Even-toed ungulates)

737.U5

General works

737.U52

Antilocapridae (Pronghorns)

737.U53

Bovidae

For domestic cattle, sheep, and goats

see SF1+

737.U54

Camelidae (Camels)

737.U55

Cervidae (Deer)

737.U56

Giraffidae

737.U57

Hippopotamidae (Hippopotami)

737.U575

Moschidae (Musk deer)

737.U58

Suidae (Old World pigs)

For domestic swine see SF391+

737.U59

Tayassuidae (Peccaries)

737.U595

Tragulidae (Chevrotains)

Perissodactyla (Odd-toed ungulates)

737.U6

General works

737.U62

Equidae (Horses)

For domestic horses see SF277+

737.U63

Rhinocerotidae (Rhinoceroses)

737.U64

Tapiridae (Tapirs)

Xenarthra see QL737.E2+

738

Miscellany and curiosa

738.5

Genetics

739

Anatomy and morphology

For anatomy of domestic animals see SF761+

Cf. QL801+ Comparative anatomy

739.15

Cytology

Physiology

For physiology of domestic animals see SF768+

Cf. QP1+ Animal physiology

739.2

General works

739.23

Reproduction

739.25

Age determination

Behavior

- Chordates. Vertebrates
- Mammals
- Behavior -- Continued
- 739.3 General works
- 739.5 Migration
- 739.8 Ecology
- Animal behavior
- Class here general works on animal behavior and general works on particular types of animal behavior
- For works on the behavior of special groups or individual animals, see QL360+
- For comparative psychology and behavior of animals and humans see BF660+
- For works on the behavior of special groups of domestic animals or individual domestic animals see SF756.7
- 750 Periodicals, societies, congresses, serial publications
- 750.3 Dictionaries and encyclopedias
- 750.5 History
- 751 General works, treatises, and textbooks
- Cf. QH540+ General and animal ecology
- Cf. SF1+ Animal culture
- 751.5 Juvenile works
- 751.6 Addresses, essays, lectures
- 751.65.A-Z Special aspects of the subject as a whole, A-Z
- 751.65.D37 Data processing
- 751.65.M3 Mathematical models
- 751.65.M32 Mathematics
- 751.65.S55 Simulation methods
- 751.65.S73 Statistical methods
- 751.7 Laboratory manuals
- Special topics
- 752 Animal populations
- For population studies of a particular group of animals, see systematic sections
- Cf. QL607.6 Vertebrate population dynamics
- Cf. QL618.3 Fish population dynamics
- Cf. QL677.4 Bird population dynamics
- Periodicity. Seasonal habits
- 753 General works
- 754 Migration
- Cf. QL496.2 Migration of insects
- Cf. QL639.5 Migration of fishes
- Cf. QL698.9 Migration of birds
- Cf. QL739.3 Migration of mammals

- Animal behavior
 - Special topics
 - Periodicity. Seasonal habits -- Continued
 - 755 Hibernation
 - Sleep behavior
 - 755.3 General works
 - 755.5 Nocturnal animals
 - Habitations
 - 756 General works
 - 756.15 Burrowing. Burrowing animals
 - 756.2 Territoriality
 - Food
 - 756.5 General works
 - 756.55 Bloodsucking animals
 - 756.57 Cannibalism
 - Health behavior. Medicinal use
 - 756.6 Drug use
 - 756.7 Symbiosis
 - 756.8 Parasitology
 - 757 Cf. QL392.A1+ Helminthology
 - Cf. RC119+ Parasitic diseases of man
 - Cf. SF810.A3+ Parasitic diseases of animals
 - 758 Predation. Predatory animals
 - Cf. SF810.5+ Predator control
 - 758.5 Aggression. Agonistic behavior
 - Cf. QL100.5 Animal attacks
 - 758.7 Reconciliation
 - 759 Defense mechanisms
 - 760 Grooming behavior
 - 761 Sexual behavior
 - 761.5 Familial behavior. Kin recognition
 - 762 Parental behavior
 - 762.5 Infanticide
 - Developmental behavior
 - 763 General works
 - 763.2 Critical periods. Imprinting
 - 763.5 Play behavior
 - 765 Sound production. Vocalization
 - Cf. QL496.5 Insect sounds
 - 767 Color
 - 768 Animal tracks and signs
 - Cf. SK282 Tracking
 - 775 Social relations. Animal societies
 - Cf. QL364.5 Coloniality
 - 775.5 Altruistic behavior
 - 776 Communication
 - 780 Eliminative behavior

Animal behavior

Special topics -- Continued

- 781 Instinct
- 781.3 Motivation
- 782 Navigation
Cf. QL698.8 Navigation by birds
- 782.5 Orientation
- Psychology. Intelligence. Learning
- 785 General works
- 785.2 Memory
Cf. QP406 Physiology
- 785.24 Number concept
- 785.25 Consciousness
- 785.27 Emotions
- 785.3 Extrasensory perception
- (785.5) Special animals
see QL362+ or SF (Domestic animals)
- Stories and anecdotes
For circus animals see GV1829+
For animals in television see PN1992.8.A58
For animals in motion pictures see PN1995.9.A5
For domesticated animals see SF1+
For wild animals as pets see SF459.A+
- 791 General works
- 793 Famous animals
- 795.A-Z Special. By common name of animal, A-Z
- 795.A35 African hunting dog
- 795.A4 Alligators
- 795.A6 Antelopes
- 795.A8 Asses, Wild
- 795.B2 Badgers
- 795.B3 Bats
- 795.B4 Bears
- 795.B5 Beavers
- 795.B53 Bees
- 795.B57 Birds
Cf. SF460+ Cage birds
- 795.B6 Bison
- Black eagle see QL795.B57
- 795.B8 Buffaloes
- 795.B85 Butterflies
- Canada goose see QL795.B57
- 795.C2 Cats, Wild
Cf. SF445.5 Stories about domestic cats
- 795.C3 Cattle, Wild
Cf. SF197.4 Stories about domestic cattle
- 795.C5 Chamois

Animal behavior

Stories and anecdotes

Special. By common name of animal, A-Z --

Continued

- | | |
|---------|---|
| 795.C54 | Cheetahs |
| 795.C57 | Chimpanzees |
| 795.C6 | Coyotes |
| 795.C65 | Crabs |
| 795.C67 | Crocodiles |
| 795.D3 | Deer |
| 795.D5 | Dingoes |
| 795.D6 | Dogs |
| | Cf. SF426.2 Stories about domestic dogs |
| 795.D7 | Dolphins |
| | Ducks, Wild see QL795.B57 |
| 795.E4 | Elephants |
| 795.E94 | European wildcat |
| 795.F65 | Fireflies |
| 795.F7 | Fishes |
| 795.F8 | Foxes |
| 795.F85 | Frogs |
| 795.G3 | Gazelles |
| 795.G5 | Gibbons |
| 795.G55 | Giraffes |
| 795.G7 | Gorillas |
| 795.H3 | Hamsters |
| 795.H35 | Hares |
| 795.H4 | Hedgehogs |
| 795.H6 | Hippopotami |
| 795.H65 | Hornets |
| 795.H7 | Horses, Wild |
| | Cf. SF301 Stories about domestic horses |
| | Hunting dog, African see QL795.A35 |
| 795.J27 | Jackals |
| 795.J3 | Jaguars |
| 795.K3 | Kangaroos |
| 795.K62 | Koalas |
| 795.L5 | Leopards |
| 795.L7 | Lions |
| 795.L9 | Lynxes |
| 795.M3 | Marmots |
| 795.M37 | Mice |
| 795.M5 | Minks |
| 795.M57 | Moles |
| 795.M6 | Mongoose |
| 795.M7 | Monkeys |
| 795.M8 | Moose |

Animal behavior

Stories and anecdotes

Special. By common name of animal, A-Z --

Continued

- 795.M85 Mules see SF362
 795.M87 Musk-oxen
 795.O7 Muskrats
 795.O8 Orangutans
 795.P18 Otters
 795.P2 Pandas
 795.P28 Panthers
 Peccaries
 Ponies, Wild see QL795.H7
 Porcupines
 Pumas
 Rabbits, Wild see QL795.H35
 Raccoons
 Rats
 Reindeer
 Rhinoceroses
 Ring-tailed phalangers
 Salamanders
 Sea otters see QL795.O8
 Seals
 Sharks
 Shrews
 Skunks
 Sloths
 Snakes
 Squirrels
 Swine
 Tigers
 Turtles
 Weasels
 Whales
 Wild boars
 Wolves
 Wombats
 Zebras

Morphology

Class here general works on animal form,
structure, body size, etc.

For particular animals, see QL363+

- 799 General works, treatises, and textbooks
 799.3 Juvenile works
 799.5 Study and teaching. Research

Anatomy

Here are classified general works on comparative anatomy and special works on the anatomy of individual organs.

For works on the general anatomy or the anatomy of specific organs of special groups of animals, see the preceding systematic divisions or SF Domestic animals

For invertebrate anatomy see QL363

For human anatomy see QM1+

- 801 Periodicals, societies, congresses, serial publications
- 803 Collected works (nonserial)
- 803.3 Dictionaries
- 803.5 Nomenclature, terminology, notation, abbreviations
- 804 Early works through 1800
- 805 General works, treatises, and textbooks
- 806 Pictorial works and atlases
- 806.5 Juvenile works
- 807 Comparative histology
For special tissues see QM559+
- 808 Addresses, essays, lectures
Study and teaching. Research
- 810 General works
- 810.5 Problems, exercises, examinations
- 811 Outlines, syllabi
Laboratory manuals
- 812 General works
- 812.5 Dissection
- 813.A-Z By laboratory animal, A-Z
For specific organs or parts of the body, see QL821+
- 813.C38 Cats
- 813.D64 Dogs
Dogfish shark see QL813.F57
- 813.F57 Fishes
- 813.F75 Frogs
- 813.G63 Goats
- 813.G73 Grasshoppers
- 813.H35 Hamsters
- 813.M55 Mice
- 813.M56 Minks
Perch see QL813.F57
- 813.P54 Pigs. Swine
- 813.R3 Rabbits
- 813.R37 Rats

Anatomy

Study and teaching. Research

Laboratory manuals

By laboratory animal, A-Z -- Continued

Sharks see QL813.F57

813.S69

Squids

Museums. Exhibitions

814.A1

General works

814.A2-Z

By region or country, A-Z

Subarrange each country by Table Q5

Skeleton. Osteology

For histology see QM569

821

General works

822

Skull

823

Catalogs of specimens

825

Articulations

827

Ligaments

831

Muscles

For histology see QM571

Vascular system

835

Blood vessels

838

Heart

841

Lymphatics

Respiratory organs

845

General works

846

Branchiae (Gills)

847

Tracheae in Arthropoda

848

Lungs

849

Pleura

851

Diaphragm

852

Respiratory passages

853

Larynx

854

Trachea. Bronchi

855

Air sacs, swimming bladders, etc.

Digestive organs

856

General works

857

Mouth

858

Teeth

861

Pharynx. Esophagus. Tonsils

862

Stomach

863

Intestines

863.5

Peritrophic membranes

864

Peritoneum. Mesentery and omentum

Glands

865

Salivary glands

866

Pancreas

867

Liver

Anatomy -- Continued

- 868 Ductless glands
Including spleen, thyroid, thymus,
suprarenal, pineal, pituitary, carotid,
etc.
- Urogenital system
- 871 General works
- Excretory organs
- 872 General works
- 872.5 Nephridia
- 872.7 Wolffian body
- 873 Kidneys
- 873.5 Ducts
- 874 Bladder
- 875 Urethra
- Reproductive organs. Copulatory organs
- 876 General works
- 878 Male
- 881 Female
- Nervous system
- For histology see QM575
- 921 Periodicals, societies, congresses, serial
publications
- 923 Collected works (nonserial)
- 925 General works, treatises, and textbooks
- 927 Laboratory manuals. Neurological technique
- 931 Neural elements: Cells, fibers, supporting
structures, etc.
- Central nervous system. Brain
- 933 General works, treatises, and textbooks
- Special types
- 935 Invertebrate
- 937 Vertebrate
- 938.A-Z Special structures, A-Z
- 938.A35 Afferent pathways
- 938.B73 Brain stem
- 938.C46 Cerebral cortex
- 938.C47 Cerebral ventricles
- 938.D44 Dentate nucleus
- 938.D53 Diencephalon
- 938.D65 Dorsal ventricular ridge
- 938.H56 Hippocampus
- 938.H94 Hypothalamus
- 938.L55 Limbic system
- 938.M4 Mechanoreceptors
- 938.M43 Medial geniculate body
- 938.N45 Neocortex

- Anatomy
 - Nervous system
 - Central nervous system. Brain
 - Special structures, A-Z -- Continued
 - 938.N48 Neural crest
 - 938.O44 Olivary nucleus
 - 938.P7 Prosencephalon
 - 938.R53 Rhinencephalon
 - 938.S6 Spinal cord
 - 938.T45 Thalamus
 - 939 Peripheral nervous system. Sympathetic nervous system
 - 940 Animal weapons for defense and offense
 - Integument. Skin
 - 941 General works
 - 942 Hair. Fur. Bristles. Whiskers. Scales. Nails. Hoofs. Horns
 - 943 Skin glands. Odoriferous glands
 - 944 Mammae
 - Sense organs
 - 945 General works
 - 946 Tongue
 - 947 Nose
 - 948 Ear
 - 949 Eye
 - Topographical and regional anatomy
 - 950.1 General works, treatises, and textbooks
 - 950.2 External form of the body
 - Trunk
 - 950.3 General works
 - 950.39 Buttocks
 - 950.4 Neck
 - 950.5 Head
 - 950.6 Tail
 - Limbs
 - 950.7 General works
 - 950.8 Wings
 - 950.9 Segmental anatomy
 - 950.95 Body cavities
 - Embryology
 - For special organs see QL821+
 - For human embryology see QM601+
 - 951 Periodicals, societies, congresses, serial publications
 - 952 Nomenclature, terminology, notation, abbreviations
 - 953 History

Embryology -- Continued

- Biography
 - 954 Collective
 - 954.2.A-Z Individual, A-Z
 - 955 General works, treatises, and textbooks
 - Including general works on vertebrates or invertebrates
 - 956 Pictorial works and atlases
 - 956.5 Juvenile works
 - 957 Laboratory manuals
 - Individual orders, genera, species, etc.
- 958 Invertebrate
- 959 Vertebrate
- Special topics
 - 961 Experimental embryology
 - 962 Behavioral embryology
 - 963 Chemical embryology
 - 963.5 Cell differentiation
 - Cf. QH607 Cytology
 - Germ cells
 - 964 General works
 - 965 Oogenesis and ovum
 - 966 Spermatogenesis and spermatozoa
 - For fertilization see QP273
 - Development of the embryo
 - Including twins, multiple birth, etc.
- 971 General works
- 971.2 Organizer
- 973 Allantois. Placenta
- 975 Amnion. Amniotic fluid
- 977 Chorion
- 979 Myogenesis
- 979.5 Chondrogenesis
- 981 Metamorphosis
- 991 Teratology

Human anatomy

Class here only works that deal with human anatomy

For physical anthropology see GN49+

For comparative anatomy see QL801+

For works that include both human physiology and anatomy see QP1+

- 1 Periodicals, societies, congresses, serial publications
- 5 Collected works (nonserial)
- 7 Dictionaries and encyclopedias
Nomenclature, terminology, notation, abbreviations
see QM81
- 11 History
Biography
- 16.A2 Collective
- 16.A3-Z Individual, A-Z
e.g.
16.L4 Leonardo da Vinci
16.V5 Vesalius
- 17 Directories
- 21 Early works through 1800
General works, treatises, and textbooks
1801-1969
23.2 1970-
- 24 Comparative anatomy of humans
Cf. GN281+ Human evolution. Man's place in nature
- 24.5 Anatomy of the child
Cf. RJ131+ Growth and development of children
- 25 Pictorial works and atlases
- 26 Popular works
- 27 Juvenile works
- 28 Special aspects of the subject as a whole
Study and teaching. Research
- 30 General works
- 31 Outlines, syllabi
- 32 Problems, exercises, examinations
- 33 Charts, manikins, etc.
By country
United States
- 33.1 General works
- 33.2.A-Z By region or state, A-Z
Subarrange each state by Table Q7
- 33.3.A-Z Other regions or countries, A-Z
Subarrange each country by Table Q7
- Dissection

- Dissection -- Continued
- 33.4 History
- 33.5 General works, treatises, and textbooks
- 34 Manuals of practical anatomy. Laboratory manuals
- 35 Outline guides
- 39 Laboratory technique
- Laboratories
- 41 General works
- 43.A-Z By region or country, A-Z
Subarrange each country by Table Q6
- Museums. Exhibitions
- 51.A1 General works
- 51.A2-Z By region or country, A-Z
Subarrange each country by Table Q5
- 71 Addresses, essays, lectures
- 81 Nomenclature, terminology, notation, abbreviations
- 100 Musculoskeletal system
- Skeleton. Osteology
- Cf. RA1059 Forensic osteology
- 101 General works
- 105 Skull
- Cf. GN71+ Craniology
- 111 Vertebral column
- 113 Ribs and sternum
- 115 Hipbone and pelvis
- 117 Bones of the extremities
- Articulations. Joints
- 131 General works
- 141 Ligaments
- 142 Articular cartilage
- Muscles
- 151 General works
- 155 Of the head and neck
- 161 Of the trunk
- 165 Of the limbs
- 170 Tendons
- Vascular system
- For works on the blood vessels of a particular organ or system, see the organ or system
- 178 General works
- 181 Heart. Pericardium
- 191 Arteries and veins
- 197 Lymphatics
- Organs of respiration and voice
- 251 General works
- 255 Larynx
- Cf. QP306 Larynx physiology

- Organs of respiration and voice -- Continued
- 257 Trachea. Bronchi
- 261 Lungs. Pleura
- 265 Diaphragm
- Organs of digestion
- 301 General works
- 306 Mouth
- 311 Teeth
- 325 Salivary glands
- 331 Pharynx. Esophagus. Tonsils
- 341 Stomach
- 345 Intestines
- 351 Liver
- 352 Gallbladder
- 353 Pancreas
- 367 Peritoneum. Mesentery and omentum
- Glands
- Cf. QM325 Salivary glands
- Cf. QM351 Liver
- Cf. QM353 Pancreas
- 368 General works, treatises, and textbooks
- 371 Ductless glands
- Including spleen, thyroid, thymus,
suprarenal, pineal, pituitary, carotid
- Urinary and reproductive organs
- 401 General works
- 404 Kidneys
- 408 Ureters
- 411 Bladder
- 413 Urethra
- 416 Generative organs, Male
- 421 Generative organs, Female
- 431 Perineum
- Nervous system
- For works on the innervation of a particular
organ or system, see the organ or system
- 451 General works
- 455 Brain
- 465 Spinal cord
- 469 Meninges
- 471 Peripheral nervous system. Sympathetic nervous
system. Cranial nerves, etc.
- Integument
- 481 General works
- 484 External skin
- 485 Bursae mucosae
- 488 Hair. Nails

- Integument -- Continued
- 491 Skin glands
- 495 Mammae
- Sense organs
- 501 General works
- 503 Tongue
- 505 Nose
- 507 Ear
- 511 Eye
- Regional anatomy
 - Including surgical and topographical anatomy
 - 531 General works, treatises, and textbooks
 - Special regions
 - 535 Head and neck. Jaws
 - Trunk
 - 540 General works
 - 541 Thorax
 - 543 Abdomen
 - Limbs
 - 548 Upper. Arm and hand
 - 549 Lower. Leg and foot
- Human and comparative histology
 - Including microscopic anatomy and ultrastructure
 - For general comparative histology see QL807
 - 550 Periodicals, societies, congresses, serial publications
 - 550.2 Dictionaries and encyclopedias
 - Biography
 - 550.5 Collective
 - 550.6.A-Z Individual, A-Z
 - 551 General works, treatises, and textbooks
 - Study and teaching. Research
 - 552 General works
 - 553 Outlines, syllabi
 - 554 Problems, exercises, examinations
 - 555 Laboratory manuals
 - Laboratory technique
 - 556 General works
 - 556.5.A-Z Special methods, A-Z
 - Embedding, Plastic see QM556.5.P53
 - 556.5.F5 Fixation
 - 556.5.L9 Lyophilization
 - 556.5.P53 Plastic embedding
 - 557 Pictorial works and atlases
 - Special tissues
 - 559 Pigment

- Human and comparative histology
- Special tissues -- Continued
- 561 Epithelium
Cf. QP88.4 Physiology
- 562 Endothelium
Cf. QP88.45 Physiology
- 563 Connective tissues
- 565 Adipose tissues
- 567 Cartilaginous tissues
- 569 Bony tissues
Including bone marrow
- 569.5 Hematopoietic system
- 570 Blood vessels
- 570.5 Heart
- 570.7 Lymphatics
- 571 Muscular tissues
- 575 Nerve tissues
- 575.5 Blood-brain barrier
- 576 Endocrine glands
Generative organs
- 577 General works
- 577.4 Male
- 577.8 Female
- Human embryology
- 601 General works, treatises, and textbooks
- 602 Pictorial works and atlases
- 603 Popular works
- 608 Research. Experimentation
- 611 Special topics (not A-Z)
- Teratology
Cf. GT6730 Manners and customs
- 690 Early works through 1800
- 691 1801-
- 695.A-Z By region, system, or organ of the body, A-Z
Class clinical aspects in R
- 695.B36 Basicranium
- 695.B7 Brain
- 695.C37 Cardiovascular system
- 695.E95 Extremities
- 695.F32 Face
- 695.G45 Generative organs
- 695.N45 Nervous system
- 695.P76 Prosencephalon
- 695.U74 Urinary organs
- 695.V55 Viscera

Physiology

For the physiology of special animals or groups
of animals see the systematic divisions QL364+
Cf. GN221+ Physiological anthropology

- 1 Periodicals, societies, congresses, serial
publications
- 6 Collected works (nonserial)
- 11 Dictionaries and encyclopedias
- 13 Nomenclature, terminology, notation, abbreviations
- 21 History
- Biography
- 25 Collective
- 26.A-Z Individual, A-Z
e.g.
- 26.H3 Harvey
- 26.P35 Pavlov
- 29 Early works through 1800
- General works, treatises, and textbooks
- 31 1801-1969
- 31.2 1970-
- 33 Comparative physiology
- 33.5 Special aspects of the subject as a whole
- 33.6.A-Z Special topics, A-Z
- 33.6.C48 Chaotic processes
- 33.6.D38 Data processing
- 33.6.M36 Mathematical models
- Human physiology
- Including general works on human biology
- General works, treatises, and advanced textbooks
- 34 Through 1969
- 34.5 1970-
- 35 Handbooks, manuals, etc.
- 36 School textbooks of physiology and hygiene
- 37 Juvenile works
- 38 Popular works
- Study and teaching. Research
- Cf. RA440+ Hygiene
- 39 General works
- 40 Problems, exercises, examinations
- 41 Outlines, syllabi
- Experimental physiology
- 42 Elementary works
Including laboratory manuals
- 43 Advanced works
- 44 Laboratory manuals
- Data processing see QP33.6.D38

- Study and teaching. Research -- Continued
- 45 Vivisection
Cf. HV4905+ Anti-vivisection
- 47.A-Z By region or country, A-Z
- Laboratories
- 51 General works
- 53.A-Z By region or country, A-Z
Subarrange each country by Table Q6
- 54 Technique
- 55 Instruments and apparatus
- 71 Addresses, essays, lectures
- 77 Miscellany and curiosa
- Phenomena of animal life (General)
- 81 General works
- 81.5 Sex differences
- 81.6 Sexual orientation. Homosexuality
Influence of the environment (General). Animal
ecophysiology. Physiological adaptation
Cf. GF1+ Human ecology
- 82 General works
- 82.2.A-Z Special topics, A-Z
- 82.2.A2 Acceleration
- 82.2.A3 Air pollution
- 82.2.A36 Allostasis
- 82.2.A4 Altitude
Anoxemia see QP177
Biomagnetism see QP82.2.M3
- 82.2.C5 Climate. Weather
Cf. QP82.2.H8 Humidity
Cf. QP82.2.T4 Temperature
- 82.2.C6 Cold
- 82.2.E4 Electrolytes
- 82.2.E43 Electromagnetic waves
- 82.2.G35 Gamma waves
- 82.2.G7 Gravity
- 82.2.H4 Heat
- 82.2.H44 Heavy metals
- 82.2.H45 Heavy particles
- 82.2.H8 Humidity
- 82.2.I45 Infrasonic waves
- 82.2.I5 Ionized air
- 82.2.I53 Ionizing radiation
- 82.2.L3 Lasers
- 82.2.L5 Light
- 82.2.M3 Magnetism
- 82.2.M5 Microwaves
- 82.2.M54 Millimeter waves

- Phenomena of animal life (General)
 Influence of the environment (General). Animal
 ecophysiology. Physiological adaptation
 Special topics, A-Z -- Continued
- 82.2.N6 Noise
 82.2.N64 Nonionizing radiation
 82.2.P4 Pesticides
 82.2.P6 Pollution
 82.2.P7 Pressure
 82.2.R3 Radiation
 Radiation, Ionizing see QP82.2.I53
 Radiation, Nonionizing see QP82.2.N64
 Radiation, Ultraviolet see QP82.2.U4
- 82.2.R33 Radio waves
 82.2.S8 Stress (Physiology)
 82.2.T4 Temperature
 Cf. QP82.2.C6 Cold
 Cf. QP82.2.H4 Heat
 Cf. QP135 Thermoregulation
 Traffic and wildlife see HE5620.W54
- 82.2.U37 Ultrasonic waves
 82.2.U4 Ultraviolet rays
 82.2.U45 Underwater physiology
 Cf. RC1015 Human underwater physiology
- 82.2.V5 Vibration
 82.2.W36 Water pollution
 Weather see QP82.2.C5
- 82.2.W4 Weightlessness
 Cf. RC1151.W44 Human space physiology
- Developmental physiology
 Cf. QL971+ Animal fetal development
 Cf. RG600+ Human fetal development
 Cf. RJ131+ Children
 Cf. RJ140+ Adolescents
 Cf. RJ252 Infants
- 83.8 General works, treatises, and textbooks
 84 Growth
 84.4 Puberty
 84.6 Chronobiology. Periodicity. Biorhythms
 For special applications, see the field, e.g.
 T55.3.B56 Industrial safety
- 85 Longevity. Prolongation of life
 86 Aging. Senescence
 Cf. QH608 Cell aging
 Cf. RC580.P7 Progeria
 Cf. RC952+ Geriatrics

- Developmental physiology -- Continued
- 87 Death
 Cf. QH671 Cell death
- Physiology of the tissues (General)
 Including physical and chemical properties
- 88 General works
- 88.15 Adipose tissues. Brown adipose tissue
 Cf. QM565 Histology
- 88.2 Bone
- 88.23 Connective tissues
- 88.3 Hair. Fur. Wool
- 88.4 Epithelium
 Cf. QM561 Histology
- 88.45 Endothelium
 Cf. QP88.45 Histology
- Muscle see QP321+
- Nerve see QP361+
- 88.5 Skin
 Cf. QP220+ Skin secretions
 Cf. QP369+ Skin nerves
 Cf. QP372.9 Galvanic skin response
 Cf. QP450+ Cutaneous senses
- 88.6 Teeth
 Cf. QP149 Mastication
- 89 Transplantation
 Cf. RD120.6+ Surgery
- 90 Rejuvenation
- 90.2 Regeneration
- 90.4 Homeostasis
- 90.5 Body fluids
 For lymph see QP115
 For secretions see QP190+
 For cerebrospinal fluid see QP375
- 90.6 Osmoregulation
- 90.7 Acid-base equilibrium
- Blood
- 91 General works
- 92 Formation. Hematopoiesis. Bone marrow
 Composition and chemistry
- 93 General works
 Coagulation
 Including fibrin, fibrinogen, thrombin,
 prothrombin, thromboplastin
- 93.5 General works
- 93.7.A-Z Special factors, A-Z
- 93.7.A58 Antithrombins
- 93.7.P76 Protein C

Blood

Composition and chemistry

Coagulation

Special factors, A-Z -- Continued

93.7.T45

Thrombomodulin

93.7.V65

Von Willebrand factor

Corpuscles and platelets

94

General works

Leucocytes. White blood cells

Cf. QR185.8.L48 Immunology

95

General works

95.2

Basophils

95.3

Eosinophils

Cf. QR185.8.E58 Immunology

95.4

Granulocytes

Cf. QR185.8.G73 Immunology

95.5

Lymphocytes

Cf. QR185.8.L9 Immunology

95.7

Monocytes

95.8

Neutrophils

Cf. QR185.8.N47 Immunology

Erythrocytes. Red blood cells

96

General works

96.5

Hemoglobin

Cf. QP99.3.G55 Glycosylated hemoglobin

Cf. RC641.7.H35 Hemoglobinopathy

96.7

Reticulocytes

Platelets

Cf. QR185.8.P58 Immunology

97

General works

97.5

Megakaryocytes

98

Blood groups

99

Plasma and serum

99.3.A-Z

Special constituents, A-Z

99.3.A4

Albumins

99.3.A45

Alpha macroglobulins

Antithrombins see QP93.7.A58

99.3.A65

Apolipoproteins

99.3.B5

Blood sugar

99.3.C3

Carbon dioxide

Fibrin and fibrinogen see QP93.5+

99.3.G3

Gases

Cf. RB45.2 Examination of blood gases

99.3.G55

Glycosylated hemoglobin

99.3.H3

Haptoglobin

99.3.H35

Hematin

99.3.H37

Hematoblasts

Blood

Special constituents, A-Z -- Continued

- 99.3.H4 Hemocyanin
 99.3.H45 Hemoerythrin
 Hemoglobin see QP96.5
 99.3.H53 High density lipoproteins
 99.3.L5 Lipids
 99.3.L52 Lipoproteins
 99.3.L68 Low density lipoproteins
 99.3.O6 Oocytin
 99.3.O9 Oxygen
 99.3.P5 Pigments
 Platelet activating factor see QP752.P62
 99.3.P7 Proteins
 Prothrombin see QP93.5+
 Thrombin and thromboplastin see QP93.5+
 Trace elements
 99.3.T72
 99.5.A-Z Other special, A-Z
 99.5.A3 Agglutination
 99.5.E5 Electrophoresis
 99.5.H4 Hemolysis
 99.5.S4 Sedimentation
- Cardiovascular system. Circulation
- 101 General works, treatises, and textbooks
 101.2 Periodicals, societies, congresses, serial publications
 101.3 Collected works (nonserial)
 101.4 History of discovery and ideas on circulation.
 Harvey
- 103 Juvenile works
 104 Study and teaching. Research
 Hemodynamics
 Including pressure, velocity, flow, viscosity, etc.
- 105 General works
 105.15 Rheology
 105.2 Measurement of pressure
 105.4 Measurement of flow
- Systemic system
- 106 General works
 106.2 Arterial. Aorta
 106.4 Venous
 106.6 Microcirculation. Capillaries
- Special systems
- 107 Pulmonary system
 108 Coronary system
 108.5.A-Z Other, A-Z

- Cardiovascular system. Circulation
- Special systems
- Other, A-Z -- Continued
- 108.5.C4 Cerebral circulation
- 108.5.P45 Peripheral circulation
- 109 Vasomotor control. Baroreflexes
- 110.A-Z Other special topics, A-Z
- 110.A37 Adrenergic receptors
- 110.A7 Artificial circulation
- 110.B5 Blood volume
- 110.C64 Collateral circulation
- 110.G45 Gene expression
- 110.R3 Radiation effects
- 110.V34 Vascular endothelium
- 110.V37 Vascular muscle
- 110.V38 Vascular resistance
- Heart
- (111) General works
see QP111.4
- 111.2 Periodicals, societies, congresses, serial
publications
- 111.3 Collected works (nonserial)
- 111.4 General works, treatises, and textbooks
- 111.5 Pictorial works and atlases
- 111.6 Juvenile works
- Study and teaching. Research
- 112 General works
- Research techniques
- 112.4 General works
- 112.5.A-Z Special, A-Z
- 112.5.A55 Animal models
- 112.5.C3 Cardiography
- 112.5.E4 Electrocardiography
- 112.5.E46 Electrophysiology
- 112.5.M33 Magnetocardiography
- 112.5.N83 Nuclear magnetic resonance
- 112.5.R6 Radiography
- 113 Cardiac dynamics
Including beat, rate, output, acceleration,
rhythm
- 113.2 Myocardium
For specific myocardial characteristics see
QP114.A+
- 113.4 Nervous control
- 113.6 Cardiovascular sound
- 114.A-Z Other special topics, A-Z
- 114.A32 Adaptation

Heart

Other special topics, A-Z -- Continued

- 114.A35 Aging
- 114.A57 Aortic valve
- 114.A75 Arrest, Cardiac
Cardiac arrest see QP114.A75
Cardiac membranes see QP114.M46
- 114.C37 Cardiogenic reflexes
- 114.C44 Cells
- 114.C5 Chemical effects
Cold see QP114.H94
- 114.C65 Conduction system
- 114.D5 Diastole
- 114.D54 Dilatation
- 114.E53 Endocardium
- 114.E9 Exercise effects
Heart cells see QP114.C44
Heart membranes see QP114.M46
- 114.H6 Hormone control
- 114.H94 Hypothermia. Cold
- 114.I8 Isolation. Survival
- 114.L94 Lymphatics
- 114.M43 Mechanical properties
- 114.M46 Membranes
- 114.M48 Metabolism
- 114.M65 Molecular biology
- 114.R3 Radiation effects
- 114.R43 Receptors
Reflexes, Cardiogenic see QP114.C37
- 114.R45 Regeneration
- 115 Lymph and lymphatic system
Cf. QP114.L94 Heart lymphatics
- Respiration. Respiratory organs
Cf. QP177 Oxygen and metabolism
Cf. RA782 Breathing and exercises
- 121.A1 Periodicals, societies, congresses, serial publications
- 121.A4-Z General works, treatises, and textbooks
- 123 Regulation of respiration
- 123.5 Cough
- 124 Pulmonary gas exchange
- 125 Trachea
- 135 Thermoregulation. Animal heat. Body temperature
Cf. QP82.2.T4 Ambient temperature
- 136 Appetite
Hunger and thirst
Cf. RC620+ Deficiency diseases

- Hunger and thirst -- Continued
- 137 General works
Hunger
- 138 General works
- 138.5 Starvation
- 139 Thirst
- Nutrition
- Cf. RA784 Personal hygiene
- Cf. RG559 Pregnancy
- Cf. RM214+ Diet therapy
- Cf. SF94.5+ Animal culture. Feeding and feeds
- Cf. TX551+ Home economics
- 141.A1 Periodicals, societies, congresses, serial publications
- 141.A2-Z General works, treatises, and textbooks
Study and teaching. Research
- 143 General works
Research techniques
- 143.4 General works
- 143.5.A-Z Special, A-Z
- 143.5.A58 Anthropometric assessment
- 143.5.M37 Mathematical models
- 143.5.R33 Radioactive tracers
- 143.5.S73 Stable isotope tracers
- 143.7 Nutrient interactions
- 144.A-Z Other special topics, A-Z
- 144.B48 Beverages
- 144.C46 Chocolate. Cocoa
Cocoa see QP144.C46
Dairy products see QP144.M54
- 144.E44 Eggs
- 144.F52 Fiber
- 144.F56 Fish
- 144.F85 Functional foods
- 144.G45 Genetics
- 144.M54 Milk. Dairy products
- 144.O44 Oilseeds
Including individual oilseeds
- 144.R53 Rice
- 144.V44 Vegetables
- Physiology of the digestive tract. Digestion
- 145 General works
Special organs
Mouth. Pharynx. Esophagus
Cf. QP88.6 Teeth
Cf. QP188.S2 Salivary glands
- 146 General works

Nutrition

Physiology of the digestive tract. Digestion

Special organs

Mouth. Pharynx. Esophagus -- Continued

147 Ingestion. Eating

148 Deglutition

149 Mastication

150 Drinking

151 Stomach

Cf. QP193 Gastric juice

156 Intestines

157 Peritoneum. Mesentery and omentum

159 Feces

165 Absorption

Metabolism

Cf. QH634.5 Cell metabolism

171 General works

176 Energy metabolism

177 Relation of oxygen to metabolism

Including oxidation, anoxemia, etc.

180 Gastrointestinal motility

185 Liver. Gallbladder

Cf. QP197 Bile

185.3 Bile ducts

Glands

186 General works

Endocrinology. Endocrine glands

Cf. QP252+ Reproductive endocrinology

Cf. QP356.4 Neuroendocrinology

Cf. RC648+ Endocrine diseases

187.A1 Periodicals, societies, congresses, serial publications

187.A4-Z General works, treatises, and textbooks

187.3.A-Z Special topics, A-Z

187.3.A28 Adaptation

187.3.A34 Aging

187.3.C44 Cellular control mechanisms

187.3.D38 Data processing

187.3.E93 Exercise

187.3.M36 Mathematical models

187.3.M64 Molecular endocrinology

187.3.S42 Second messengers

187.5 Endocrine genetics

187.6 Developmental endocrinology

Exocrine glands

187.7.A1 Periodicals, societies, congresses, serial publications

Glands

Exocrine glands -- Continued

- 187.7.A4-Z General works, treatises, and textbooks
- 188.A-Z Special glands, A-Z
- 188.A28 Adrenal cortex
- 188.A3 Adrenal glands
- 188.A33 Adrenal medulla
- 188.A6 Aortic paraganglia
- 188.C35 Chromaffin cells
- 188.H88 Hypothalamic-pituitary-adrenal axis
- 188.H9 Hypothalamo-hypophyseal system
 Cf. QP188.P58 Pituitary gland
 Cf. QP356.4 Neuroendocrinology
 Cf. QP383.7+ Hypothalamus
- Islands of Langerhans see QP188.P26
- 188.M3 Mammary glands
 Cf. QP246 Milk
- 188.P26 Pancreas. Islands of Langerhans
 Cf. QP195 Pancreatic juice
- 188.P3 Parathyroid gland
- 188.P55 Pineal body
- 188.P58 Pituitary gland
 Cf. QP188.H9 Hypothalamo-hypophyseal system
- 188.S2 Salivary glands
 Cf. QP191 Saliva
- 188.S26 Salt glands
- 188.S43 Sebaceous glands
 Cf. QP222 Sebum
- 188.S7 Spleen
- 188.S9 Sweat glands
 Cf. QP221 Sweat
- 188.T4 Tear glands. Lacrimal organs
 Cf. QP231 Tears
- 188.T5 Thymus gland
- 188.T54 Thyroid gland
- Secretions
- 190 General works, treatises, and textbooks
- 190.7 Digestive organs and glands secretions
 General works, treatises, and textbooks
- 191 Saliva
- 193 Gastric juice
 Cf. QP552.G35 Gastric intrinsic factor
- 195 Pancreatic juice
- 197 Bile
 Cf. QP671.B5 Bile pigments
 Cf. QP752.B54 Bile acids
- 211 Urinary organs secretions. Urine

Secretions -- Continued

- 215 Mucous membrane secretions. Mucus
Skin secretions
- 220 General works, treatises, and textbooks
- 221 Sweat
- 222 Sebum
- 231 Lacrimal organ secretions. Tears
Other
- 235 Venom
- 246 Milk
- 246.5 Synovial fluid
- Urinary and reproductive organs
- 247 General works
Urinary organs
Cf. QP211 Urine
- 248 General works
- 249 Kidneys
- 250 Ureters
- 250.5 Bladder
- 250.8 Urethra
- Reproduction. Physiology of sex
Cf. HQ31+ Sex instruction
Cf. QP81.6 Sexual orientation. Homosexuality
Cf. RA788 Sex hygiene
- 251 General works, treatises, and textbooks
- 251.5 Juvenile works
Reproductive endocrinology
Cf. RG159+ Endocrine gynecology
Cf. RG558.5 Obstetrical endocrinology
Cf. RG616 Fetus
- 252 General works
- 252.5 Reproductive immunology
Cf. RG557 Obstetrics
- Male sex physiology
- 253 General works, treatises, and textbooks
- 255 Testes and semen
Cf. QL966 Spermatogenesis
- 257 Accessory male organs
- Female sex physiology
- 259 General works, treatises, and textbooks
- 261 Ovary and ovulation
Cf. QL965 Oogenesis
- 262 Uterus
- 263 Menstruation
Cf. RJ140+ Physiology of adolescents
- 265 Accessory female organs
- 267 Hermaphroditism

- Urinary and reproductive organs
 Reproduction. Physiology of sex -- Continued
- 273 Fertilization. Fecundation
 For fertility see QP251
- 275 Ovum implantation
- 277 Physiology of the embryo
 Cf. QL951+ Embryology (Zoology)
 Cf. QM601+ Human embryology
 Cf. RG610+ Human fetus
- 278 Sex differentiation
- 278.5 Sex determination
 Cf. QH600.5 Sex chromosomes
 Cf. RG566 Determination of sex during pregnancy
- 279 Sex preselection
- 280 Viviparity. Ovoviviparity
- 281 Gestation
 Cf. RG499.2+ Obstetrics
- 285 Parturition
 Cf. RG651+ Labor
- Musculoskeletal system. Movements
 Including physiology of exercise
 Cf. GN231+ Physical anthropology
 Cf. QP114.E9 Exercise effects on heart
 Cf. QP187.3.E93 Endocrinology
 Cf. RC1235+ Physiology of sports
- 301 General works, treatises, and textbooks
- 303 Mechanics. Kinesiology
- 306 Voice and speech. Larynx
 Cf. BF463.S64 Speech perception
 Cf. MT821 Voice culture
 Cf. QM255 Larynx anatomy
 Cf. RC280.T5 Laryngeal tumors
 Cf. RC423+ Speech disorders
 Cf. RF510+ Laryngeal diseases
 Cf. TK7895.S65 Speech recognition systems
- 309 Work physiology
- 310.A-Z Other special movements, A-Z
- 310.C5 Ciliary motion
- 310.C55 Climbing
- 310.D35 Dancing
- Deglutition see QP148
- 310.F5 Flight
- 310.G34 Galloping
 Cf. SF289 Horses
- (310.H36) Hand movements
 see QP334

Musculoskeletal system. Movements

Other special movements, A-Z -- Continued

- (310.H43) Head movements
see QP325
- 310.I7 Ingestion see QP147
- 310.J86 Irritability
- 310.P5 Jumping
- 310.R45 Mastication see QP149
- 310.R85 Phototropism
- 310.S45 Rhythmic movements
- (310.S65) Running
- 310.S77 Skipping
- 310.S95 Spinal movements
see QP330
- 310.T9 Stretching
- 310.W3 Swimming
- 310.W7 Typewriting
- 310.3 Walking
- 310.5 Writing
- 311 Posture
- 321 Hypokinesia. Inactivity
- 321.5 Miscellany and curiosia
- 322 Muscle
Cf. QP113.2 Myocardium
- 323 General works
- 325 Smooth muscle
Cf. QP110.V37 Vascular muscle
- 327 Sphincters
- 330 Joints
- 333 By region
- 334 Head and neck
- 335 General works
- 336 Face
- 341 Spine
- 345 Upper extremities
- 345 General works
- 345 Hand
- 345 Lower extremities
- 345 General works
- 345 Foot
- 341 Electrophysiology
Cf. QL639.1 Fishes
Cf. QP372.9 Galvanic skin response
Cf. QP447.5 Electroreceptors
- 345 Magnetic field generation
- 345 Neurophysiology and neuropsychology

- Neurophysiology and neuropsychology -- Continued
- 351 Periodicals, societies, congresses, serial publications
- 352 Collected works (nonserial)
- 352.5 Dictionaries and encyclopedias
- 353 History
- 354 Early works through 1800
General works, treatises, and textbooks
1801-1969
- 355 1970-
- 355.2
- 356 Special aspects of the subject as a whole
- 356.15 Comparative neurobiology
- 356.2 Molecular neurobiology
- 356.22 Neurogenetics
- 356.25 Developmental neurophysiology
- 356.3 Neurochemistry. Brain chemistry
- 356.4 Neuroendocrinology
Cf. QP188.H9 Hypothalamo-hypophyseal system
- 356.45 Psychoneuroendocrinology
- 356.47 Neuroimmunology
- 356.5 Radiation effects on the nervous system
- 357 Laboratory manuals
Cf. BF79 Psychology laboratory manuals
- 357.5 Data processing
- 359 Miscellany and curiosa
Neuropsychology. Physiological psychology.
Psychophysiology
Cf. BF1+ Psychology
- 360 General works
- 360.5 Cognitive neuroscience
- Nervous system
- 361 General works, treatises, and textbooks
- 361.5 Juvenile works
- 363 Miscellaneous general functions
Including excitation, impulse propagation,
etc.
- 363.2 Neuroglia
- 363.3 Neural circuitry. Neural networks
- 363.5 Neurogenesis. Developmental neurobiology
- 364 Synapses
- 364.5 Neural transmission
- 364.7 Neurotransmitters. Neurotransmitter receptors
- 365 Inhibition (General)
- 365.2 Sensitization
Peripheral nervous system
- 365.5 General works
Cerebrospinal nerves

Neurophysiology and neuropsychology

Nervous system

Peripheral nervous system

Cerebrospinal nerves -- Continued

366 Cranial nerves

367 Spinal nerves

Autonomic nervous system

368 General works

368.5 Sympathetic nervous system

368.7 Parasympathetic nervous system

368.8 Autonomic ganglia. Paraganglia

Somatic nervous system. Muscle and skin nerves

369 General works

369.5 Neuromuscular transmission. Myoneural junction

Central nervous system

370 General works

370.5 Pyramidal tract. Extrapyramidal tracts

371 Spinal cord

Reflexes

Cf. QP416 Conditioned response

372 General works

372.5 Stretch reflex

372.6 Startle reflex

372.8 Visceral reflex

372.9 Galvanic skin response

(374) Other special topics (not A-Z)

375 Cerebrospinal fluid

375.5 Blood-brain barrier. Choroid plexus

Brain

Cf. QP108.5.C4 Cerebral circulation

Cf. QP356.3 Neurochemistry

376 General works

376.5 Electroencephalography

376.6 Imaging

Brain stem

376.8 General works

377 Medulla oblongata

377.5 Pons Varolii

Midbrain. Mesencephalon

378 General works

378.3 Substantia nigra

378.4 Periaqueductal gray matter

379 Cerebellum

Cerebrum. Cerebral hemispheres

381 General works

Neurophysiology and neuropsychology

Nervous system

Central nervous system

Brain

Cerebrum. Cerebral hemispheres -- Continued

- 382.A-Z Special lobes, A-Z
- 382.F7 Frontal
- 382.O22 Occipital
- 382.P3 Parietal
- 382.T4 Temporal
- 382.2 Corpus callosum
- Cortex
- 383 General works
- 383.12 Neocortex
- 383.15 Sensorimotor cortex
- 383.17 Prefrontal cortex
- 383.2 Limbic system
- 383.25 Hippocampus
- Basal ganglia
- 383.3 General works
- 383.5 Thalamus. Optic thalamus
- 383.6 Claustrum
- Hypothalamus
 - Cf. QP188.H9 Hypothalamo-hypophyseal system
- 383.7 General works
- 383.8 Suprachiasmatic nucleus
- 383.9 Corpus striatum
- Localization of functions
- 385 General works
- 385.5 Cerebral dominance
- 388 Brain stimulation techniques
- Time relations of central processes, reaction time, etc. see BF317
- Association of ideas see BF365+
- 395 Higher nervous activity
- 396 Information processing
- 398 Intellect
 - Cf. BF431+ Psychology
- 399 Language. Speech
 - Cf. BF455+ Psychology
 - Cf. QP306 Speech
- 401 Emotions. Pleasure and pain
 - Cf. BF511 Psychology
- 402 Personality
- 405 Attention and volition

Neurophysiology and neuropsychology

Nervous system

Central nervous system

Brain -- Continued

406

Memory

Cf. BD181.7 Philosophy

Cf. BF370+ Psychology

408

Learning

Cf. BF318 Psychology

Cf. LB1060+ Education

409

Motivation

Cf. BF501+ Psychology

411

Consciousness, subconsciousness, and
unconsciousness

416

Conditioned response

421

Fatigue

Cf. BF482 Psychology

Cf. QP321+ Muscle

Sleep. Hypnotic conditions, etc.

425

General works

426

Dreaming

Cf. BF1074+ Parapsychology

427

Napping

430

Other special topics (not A-Z)

Senses. Sensation. Sense organs

Cf. BF231+ Psychology

Cf. QP137+ Hunger and thirst

431

General works, treatises, and textbooks

434

Juvenile works

435

General special

Perceptual process

441

General works

443

Space

Including orientation

Cf. QP471+ Equilibrium

Cf. QP491+ Visual space perception

445

Time

Sensory receptors

447

General works

447.5

Electroreceptors

Special senses

Somesthesia

448

General works

Cutaneous senses

450

General works

451

Touch

451.2

Pressure

- Neurophysiology and neuropsychology
- Senses. Sensation. Sense organs
 - Special senses
 - Somesthesia
 - Cutaneous senses -- Continued
 - 451.4 Pain
 - 451.6 Temperature
 - 454 Proprioception. Sense of movement.
 - Muscular sense
 - Chemical senses. Chemoreceptors
 - 455 General works
 - 456 Taste
 - 458 Smell
 - Hearing. Physiological acoustics
 - Cf. ML3820+ Physiology of music
 - Cf. QC221+ Sound (Physics)
 - 460 Periodicals, societies, congresses, serial
 - publications
 - 461 General works, treatises, and textbooks
 - 462 Popular works
 - 462.2 Juvenile works
 - 463 Limits of hearing
 - (464) Speech perception
 - see BF463.S64
 - 465 Pitch and tone perception and discrimination
 - 467 Rhythm. Melody
 - 469 Localization of sound
 - 469.3 Bone conduction
 - Equilibrium. Labyrinths of the ear
 - 471 General works
 - 471.2 Cochlea
 - Vision. Physiological optics
 - Cf. RE1+ Ophthalmology
 - 474 Periodicals, societies, congresses, serial
 - publications
 - 475 General works, treatises, and textbooks
 - 475.5 Popular works
 - 475.7 Juvenile works
 - Eyeball
 - 476 General works
 - 476.3 Intraocular pressure
 - 477 Accommodation. Refraction
 - 477.5 Movement
 - 477.8 Cornea
 - 478 Lens
 - 479 Retina
 - Light perception and discrimination

Neurophysiology and neuropsychology

Senses. Sensation. Sense organs

Special senses

Vision. Physiological optics

Light perception and discrimination --

Continued

481 General works

482 Night vision

482.5 After-images

483 Color vision

Binocular vision

487 General works

487.5 Binocular rivalry

Visual space perception

491 General works

492 Form, solidity, size

493 Movement

494 Peripheral vision

495 Optical illusions

Animal biochemistry

For works limited to chemical aspects of
biological materials see QD415+Cf. QH345 General biochemistry and plants and
animals

Cf. QR148 Microbiological chemistry

Cf. RB112.5 Clinical biochemistry

Cf. RS400+ Pharmaceutical chemistry

501 Periodicals, societies, congresses, serial
publications

509 Collected works (nonserial)

History

511 General works

511.5.A-Z By region or country, A-Z

Biography

511.7 Collective

511.8.A-Z Individual, A-Z

512 Dictionaries and encyclopedias

513 Early works through 1800

General works, treatises, and textbooks

514 1801-1969

514.2 1970-

517.A-Z Special topics, A-Z

517.B42 Binding sites

517.B44 Bioactive compounds

517.B48 Biochemical templates

517.B49 Bioconjugates

517.B5 Biodegradation

- Animal biochemistry
 Special topics, A-Z -- Continued
- 517.B53 Bioelectrochemistry
 517.B54 Bioenergetics
 Bioluminescence see QH641
 517.B56 Biomimetics
 517.B57 Biosynthesis
 Biothermodynamics see QP517.T48
 517.B58 Biotransformation
 517.C45 Cellular signal transduction
 517.C49 Charge transfer in biology
 517.C54 Chemiluminescence
 517.C57 Chirality
 Computer simulation see QP517.M3
 517.C66 Cooperative binding
 517.C78 Cryobiochemistry
 517.D57 Dissociation
 517.F66 Fossil biomolecules
 517.H53 High pressure biochemistry
 517.H93 Hydrogen bonding
 517.L54 Ligand binding
 517.M3 Mathematical models. Computer simulation
 517.M65 Molecular dynamics
 517.M66 Molecular orbitals
 517.M67 Molecular recognition
 517.P45 Photobiochemistry
 517.P49 Physical biochemistry
 517.P76 Protein binding
 517.Q34 Quantum biochemistry
 517.R4 Reaction rates
 517.R48 Rheology
 Signal transduction, Cellular see QP517.C45
 517.S83 Stereochemistry
 517.S85 Structure-activity relationships
 Cf. RM301.42 Pharmacology
 517.S87 Surface chemistry
 Templates, Biochemical see QP517.B48
 517.T48 Thermodynamics
 517.5 Biological chemistry as a profession.
 Vocational guidance
 Study and teaching. Research
 518 General works
 518.3 Outlines, syllabi
 518.5 Problems, exercises, examinations
 519 Laboratory manuals
 Technique. Analytical biochemistry
 519.7 General works

Animal biochemistry

Technique. Analytical biochemistry -- Continued

Special methods, A-Z

- 519.9.A-Z
 519.9.A35 Affinity chromatography
 519.9.A36 Affinity electrophoresis
 519.9.A37 Affinity labeling
 519.9.A94 Autoradiography
 519.9.B55 Bioluminescence assay
 519.9.B84 Buffer solutions
 519.9.C34 Calorimetry
 519.9.C36 Capillary electrophoresis
 519.9.C37 Capillary liquid chromatography
 519.9.C44 Centrifugation
 Centrifugation, Density gradient see
 QP519.9.D45
 519.9.C47 Chromatography
 Chromatography, Affinity see QP519.9.A35
 Chromatography, Countercurrent see QP519.9.C68
 Chromatography, Gas see QP519.9.G37
 Chromatography, Gel permeation see QP519.9.G44
 Chromatography, High performance liquid see
 QP519.9.H53
 Chromatography, Ion exchange see QP519.9.I54
 Chromatography, Liquid see QP519.9.L55
 Chromatography, Thin layer see QP519.9.T55
 519.9.C57 Circular dichroism
 519.9.C68 Countercurrent chromatography
 519.9.D45 Density gradient centrifugation
 519.9.E42 Electrochemical analysis
 519.9.E43 Electrodes, Ion selective
 519.9.E433 Electron paramagnetic resonance spectroscopy
 519.9.E4333 Electron probe microanalysis
 519.9.E434 Electrophoresis
 519.9.E46 Enzymatic analysis
 519.9.E48 Enzyme-linked immunosorbent assay
 519.9.F52 Flash photolysis
 519.9.F55 Flow injection analysis
 519.9.F56 Fluorescence spectroscopy. Fluorescent probes
 519.9.F58 Fluorimetry
 519.9.G37 Gas chromatography
 519.9.G42 Gel electrophoresis
 519.9.G44 Gel permeation chromatography
 519.9.H53 High performance liquid chromatography
 519.9.I42 Immunoassay
 519.9.I43 Immunoblotting
 Immunoblotting, Western see QP519.9.W47
 Immunoelectrophoresis see QR187.I47

Animal biochemistry

Technique. Analytical biochemistry

Special methods, A-Z -- Continued

- 519.9.I44 Immunoenzyme technique
 519.9.I48 Infrared spectroscopy
 519.9.I54 Ion exchange chromatography
 519.9.I8 Isoelectric focusing
 519.9.I84 Isotachopheresis
 519.9.I87 Isotopes
 519.9.L37 Laser spectroscopy
 519.9.L55 Liquid chromatography
 Liquid chromatography, High performance see
 QP519.9.H53
 519.9.L82 Luminescence immunoassay
 519.9.L84 Luminescence spectroscopy
 519.9.M3 Mass spectrometry
 519.9.M64 Molecular probes
 519.9.N8 Nuclear activation analysis
 519.9.N83 Nuclear magnetic resonance spectroscopy
 519.9.P48 Photoaffinity labeling
 Photolysis, Flash see QP519.9.F52
 519.9.P68 Positron emission tomography
 519.9.P84 Pulsed-field gel electrophoresis
 Radioactivation analysis see QP519.9.N8
 519.9.R28 Radioactive tracers
 519.9.R3 Radioimmunoassay
 519.9.R34 Radioligand assay
 519.9.R36 Raman spectroscopy
 519.9.S45 Separation (Technology)
 519.9.S58 Spectrophotometry
 519.9.S6 Spectroscopy
 Spectroscopy, Electron paramagnetic resonance
 see QP519.9.E433
 Spectroscopy, Fluorescence see QP519.9.F56
 Spectroscopy, Laser see QP519.9.L37
 Spectroscopy, Nuclear magnetic resonance see
 QP519.9.N83
 Spectroscopy, Raman see QP519.9.R36
 Spectroscopy, X-ray see QP519.9.X73
 519.9.S85 Supercritical fluid extraction.
 Supercritical fluid chromatography
 519.9.T55 Thin layer chromatography
 519.9.T59 Time-resolved spectroscopy
 519.9.T84 Two-dimensional electrophoresis
 519.9.U47 Ultracentrifugation
 519.9.U48 Ultratrace analysis
 519.9.W47 Western immunoblotting

- Animal biochemistry
- Technique. Analytical biochemistry
 - Special methods, A-Z -- Continued
 - 519.9.X72 X-ray crystallography
 - 519.9.X73 X-ray spectroscopy
 - 520 Handbooks, tables, formulas, etc.
 - 521 Miscellany and curiosa
 - Special substances
 - 525 Colloids
 - 527 Radicals
 - Xenobiotics
 - 529 General works
 - 529.5 Plant compounds
 - Inorganic substances
 - 531 General works, treatises, and textbooks
 - 532 Metals
 - 533 Minerals
 - 534 Trace elements
 - Cf. TX553.T7 Food value
 - 535.A-Z Elements and their inorganic compounds. By chemical symbol of principal element, A-Z (Table Q1)
 - Organic substances
 - 550 General works, treatises, and textbooks
 - Proteins, amino acids, etc.
 - 551 General works, treatises, and textbooks
 - 551.5 Protein-protein interactions
 - 552.A-Z Special proteins (other than amino acids, enzymes, or hormones), A-Z
 - 552.A27 Actin
 - 552.A32 Actomyosin
 - 552.A43 Albumins
 - 552.A436 Allosteric proteins
 - 552.A439 Alpha fetoproteins
 - 552.A45 Amyloid
 - 552.A56 Antifreeze proteins
 - Antigens and antibodies see QR186.5+
 - Apolipoproteins see QP99.3.A65
 - 552.A65 Aquaporins
 - 552.A94 Avidin
 - 552.B65 Bone morphogenetic proteins
 - 552.C17 C-reactive protein
 - 552.C22 Calcitonin gene-related peptide
 - 552.C24 Calcium-binding proteins
 - 552.C28 Calmodulin
 - 552.C29 Calreticulin
 - 552.C3 Carnosine

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Special proteins (other than amino acids, enzymes, or hormones), A-Z -- Continued

| | |
|---------|------------------------------------|
| 552.C34 | Carrier proteins |
| 552.C35 | Casein |
| 552.C42 | Cell adhesion molecules |
| 552.C45 | Cerebrospinal fluid proteins |
| 552.C48 | Chromogranins |
| 552.C56 | Clusterin |
| 552.C6 | Collagen |
| 552.C62 | Collectins |
| 552.C63 | Connexins |
| 552.C64 | Copper proteins |
| 552.C94 | Cytochromes |
| 552.C96 | Cytoskeletal proteins |
| 552.D95 | Dystrophin |
| 552.E4 | Elastin |
| 552.E53 | Endorphins |
| 552.E54 | Endothelins |
| 552.E55 | Enkephalins |
| 552.E59 | Epidermal growth factor |
| 552.E95 | Extracellular matrix proteins |
| 552.F37 | Fatty acid-binding proteins |
| 552.F47 | Ferritin |
| | Fetoproteins, Alpha see QP552.A439 |
| | Fibrinogen see QP93.5+ |
| 552.F5 | Fibroblast growth factors |
| 552.F53 | Fibronectins |
| 552.F54 | Flavoproteins |
| 552.G16 | G proteins |
| 552.G25 | Galanin |
| 552.G3 | Gamma globulins |
| 552.G35 | Gastric intrinsic factor |
| 552.G4 | Gelatin |
| 552.G5 | Globin |
| 552.G55 | Globulins |
| 552.G58 | Glutathione |
| 552.G59 | Glycoproteins. Glycopeptides |
| 552.G7 | Gramicidins |
| 552.G73 | Green fluorescent protein |
| 552.G76 | Growth factors |
| 552.H3 | Haptoglobins |
| 552.H43 | Heat shock proteins |
| | Hemoglobin see QP96.5 |

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Special proteins (other than amino acids, enzymes, or hormones), A-Z -- Continued

| | |
|----------|---|
| 552.H46 | Hemoproteins |
| 552.H48 | Hepatocyte growth factor |
| 552.H5 | Histones |
| 552.H9 | Hypoglycin |
| | Immunoglobulins see QR186.7+ |
| 552.I54 | Insulin-like growth factor-binding proteins |
| 552.I55 | Integrins |
| 552.I56 | Interphotoreceptor retinoid-binding protein |
| | Intrinsic factor see QP552.G35 |
| 552.I67 | Iron proteins |
| 552.I7 | Iron sulphur proteins |
| 552.K4 | Keratin |
| 552.K46 | Kinesin |
| 552.K5 | Kinins |
| 552.L3 | Lactalbumin |
| 552.L345 | Lactoferrins |
| 552.L35 | Lactoglobulin |
| 552.L42 | Lectins |
| 552.L48 | Lipocortins |
| 552.L5 | Lipoproteins |
| 552.M44 | Membrane proteins |
| 552.M46 | Metalloproteins |
| 552.M47 | Metallothionein |
| 552.M54 | Milk proteins |
| 552.M64 | Molecular chaperones |
| 552.M8 | Mucins |
| 552.M85 | Muscle proteins |
| 552.M88 | Myelin proteins. Myelin basic protein |
| 552.M9 | Myohemoglobin |
| 552.M93 | Myosin |
| 552.N36 | Nerve growth factor |
| 552.N37 | Nerve proteins |
| 552.N38 | Neuropeptide Y |
| 552.N39 | Neuropeptides |
| 552.N4 | Neurophysins |
| 552.N43 | Neuropilins |
| 552.N46 | NF-kappa B (DNA-binding protein) |
| 552.N62 | Nonhistone chromosomal proteins |
| 552.N67 | Notch proteins |
| 552.N82 | Nucleopeptides |
| | Nucleoproteins see QP625.N87 |

- Animal biochemistry
 - Special substances
 - Organic substances
 - Proteins, amino acids, etc.
 - Special proteins (other than amino acids, enzymes, or hormones), A-Z -- Continued
- 552.O65 Opioid peptides
- 552.O77 Osteopontin
- 552.O94 Ovomucoid
- 552.P25 p53 protein
- 552.P4 Peptides
- 552.P45 Peptones
- 552.P5 Phosphoproteins
- 552.P56 Plasma proteins see QP99.3.P7
- 552.P6 Platelet-derived growth factor
- 552.P65 Polypeptides
- 552.P65 Pregnancy proteins
- 552.P7 Protamines
- 552.P73 Protectins see QP552.L42
- 552.Q55 Proteoglycans
- 552.Q55 Prothrombin see QP93.5+
- 552.S35 Quinoproteins
- 552.S35 Receptor-specific proteins see QP552.L42
- 552.S4 Seminal proteins
- 552.S4 Sericin
- 552.S65 Serum albumin see QP99.3.A4
- 552.S74 Somatomedin
- 552.S9 Steroid-binding proteins
- 552.T33 Substance P
- 552.T37 Sulphur iron proteins see QP552.I7
- 552.T43 Tachykinins
- 552.T45 Tenascin
- 552.T47 Thaumatin
- 552.T5 Thioredoxin
- 552.T55 Thrombin see QP93.5+
- 552.T68 Thrombospondins
- 552.T7 Thyroglobulin
- 552.T72 Thyroprotein
- 552.T82 Transcription factors
- 552.T83 Transferrin
- 552.U24 Transforming growth factors
- 552.U86 Tubulins
- 552.V58 Tuftsin
- 552.W58 Ubiquitin
- 552.W58 Uteroglobin
- 552.W58 Vitamin K-dependent proteins
- 552.W58 Wnt proteins

- Animal biochemistry
 - Special substances
 - Organic substances
 - Proteins, amino acids, etc.
 - Special proteins (other than amino acids, enzymes, or hormones), A-Z -- Continued
 - 552.Z55 Zinc proteins
 - Amino acids
 - 561 General works, treatises, and textbooks
 - 562.A-Z Constituents of proteins, A-Z
 - 562.A7 Arginine
 - 562.A8 Aspartic acid
 - 562.B73 Branched chain amino acids
 - 562.C9 Cystine
 - 562.G5 Glutamic acid
 - 562.G55 Glutamine
 - 562.G58 Glycine
 - Glycocoll see QP562.G58
 - 562.H5 Histidine
 - 562.L4 Leucine
 - 562.L8 Lysine
 - 562.M4 Methionine
 - 562.P5 Phenylalanine
 - 562.P7 Proline
 - 562.T5 Threonine
 - 562.T7 Tryptophan
 - 562.T9 Tyrosine
 - 562.V3 Valine
 - 563.A-Z Other, A-Z
 - 563.A3 Adenosylmethionine
 - 563.A38 Agmatine
 - 563.A48 Aminobutyric acid
 - 563.A5 Aminocapric acid
 - 563.C5 Citrulline
 - 563.D5 Dihydroxyphenylalanine
 - DOPA see QP563.D5
 - 563.D66 Dopamine
 - 563.G32 GABA
 - Gamma-aminobutyric acid see QP563.G32
 - 563.K33 Kainic acid
 - 563.K9 Kynurenine
 - 563.O7 Ornithine
 - 563.T5 Thyroxine
 - Hormones
 - 571 General works, treatises, and textbooks
 - 571.5 Hormone inhibition
 - 571.7 Hormone receptors

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Hormones -- Continued

- 572.A-Z Special, A-Z
- 572.A27 ACTH see QP572.A35
- 572.A3 Adrenaline
- 572.A35 Adrenocortical hormones
- 572.A4 Adrenocorticotrophic hormone
- 572.A5 Aldosterone
- 572.A52 Androgens
- 572.A54 Androstenedione
- 572.A82 Angiotensins
Including individual angiotensins
- 572.C3 Atrial natriuretic peptides
- 572.C33 Calcitonin
- 572.C36 Calcium regulating hormones
- 572.C47 Catechol estrogens
- 572.C5 Chalone
- 572.C53 Cholecystokinin
- 572.C6 Chorionic gonadotropins
- 572.C62 Corticosterone
- 572.C65 Corticotropin releasing hormone
- 572.E25 Cortisone
- 572.E27 Ecdysone
- 572.E8 Ecdysteroids
- 572.E85 Estradiol
- 572.F6 Estrogen
Cf. QP572.P48 Phytoestrogens
- 572.G3 Estrogens, Catechol see QP572.C36
- 572.G35 Follicle-stimulating hormone
- 572.G5 Gastrin
- 572.G52 Gastrointestinal hormones
- 572.G54 Glucagon
- 572.G58 Glucagon-like peptide 1
- 572.G6 Glucocorticoids
- 572.G75 Glycoprotein hormones
- 572.H85 Gonadotropin
- 572.H9 Growth hormone see QP572.S6
- 572.I47 Growth hormone releasing factor
- 572.I5 Hydroxyprogesterone
- 572.I52 Hypothalamic hormones
- 572.I57 Inhibin
- 572.I6 Insulin
- 572.I65 Intermedin see QP572.M75
- 572.I7 Lactogenic hormones see QP572.P74

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Hormones

Special, A-Z -- Continued

- 572.L48 Leptin
 572.L5 Lipocaic
 572.L56 Lipotropin
 572.L84 Luteinizing hormone
 572.L85 Luteinizing hormone releasing hormone
 572.M44 Melatonin
 572.M66 Motilin
 572.M75 MSH
 572.N47 Neurotensin
 Noradrenalin see QP572.N6
 572.N6 Norepinephrine
 572.O9 Oxytocin
 572.P3 Parathyroid hormone
 572.P33 Parathyroid hormone-related protein
 572.P4 Peptide hormones
 572.P47 Pheromones
 572.P48 Phytoestrogens
 572.P5 Pituitary hormone releasing factors
 572.P52 Pituitary hormones
 572.P57 Placental hormones
 572.P67 Pregnenolone
 572.P7 Progesterone
 572.P74 Prolactin
 572.P75 Prosecretin
 572.P77 Protein hormones
 572.R46 Relaxin
 572.S34 Secretin
 572.S4 Sex hormones
 572.S59 Somatostatin
 572.S6 Somatotropin
 572.S7 Steroid hormones
 572.T4 Testosterone
 572.T46 Thymic hormones
 572.T5 Thyroid hormones
 572.T55 Thyrotropin
 572.T56 Thyrotropin releasing factor
 572.V28 Vasoactive intestinal peptides
 572.V3 Vasopressin

Enzymes

Cf. QK896 Plant enzymes

General works, treatises, and textbooks

- Animal biochemistry
 - Special substances
 - Organic substances
 - Proteins, amino acids, etc.
 - Enzymes -- Continued
 - 601.2 Isoenzymes
 - 601.3 Enzyme kinetics
 - Enzyme regulation
 - For works on regulation of individual enzymes or enzyme classes, see QP601.7+
 - 601.4 General works
 - 601.45 Enzyme activation
 - For works on activation of individual enzymes or enzyme classes, see QP601.7+
 - 601.5 Enzyme inhibition
 - For works on inhibition of individual enzymes or enzyme classes, see QP601.7+
 - 601.6 Extracellular enzymes
 - Metalloenzymes
 - 601.7 General works
 - 601.75.A-Z Special, A-Z
 - 601.75.M35 Manganese enzymes
 - 601.75.M64 Molybdenum enzymes
 - 601.75.Z54 Zinc enzymes
 - 601.8 Thiamin pyrophosphate-dependent enzymes
- Oxidoreductases
 - 602 General works, treatises, and textbooks
 - 603.A-Z Special, A-Z
 - 603.A34 Alcohol dehydrogenase
 - 603.A35 Aldehyde dehydrogenase
 - 603.A37 Alpha-keto acid dehydrogenase
 - 603.A4 Amino acid oxidases
 - Amino oxidase see QP603.M6
 - 603.A8 Ascorbate oxidase
 - 603.C3 Catalase
 - 603.C45 Catechol oxidase see QP603.D5
 - Cholesterol hydroxylase
 - Cytochrome c reductase see QP603.R4
 - 603.C85 Cytochrome oxidase
 - 603.C9 Cytochrome peroxidase
 - 603.D4 Dehydrogenases
 - 603.D5 Diphenol oxidase
 - 603.F47 Ferredoxin-NADP reductase
 - 603.G55 Glucose dehydrogenase

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Enzymes

Oxidoreductases

Special, A-Z -- Continued

- 603.G57 Glucosephosphate dehydrogenase
- 603.H45 Heme oxygenase
- 603.H55 Histaminase
- 603.H88 Hydrogenase
- 603.H9 Hydroxylases
- 603.H92 Hydroxymethylglutaryl coenzyme A
 reductases
- 603.I54 IMP dehydrogenase
- 603.L33 Lactate dehydrogenase
- 603.L56 Lipoxygenases
- 603.M6 Monamine oxidase
- 603.M65 Monooxygenases
- 603.N58 Nitrogenase
- 603.O8 Oxidases
- 603.O85 Oxygenases
- 603.P4 Peroxidase
- 603.P43 Phenol oxidase
- 603.P74 Proline hydroxylase
- 603.P76 Prostaglandin synthase
- 603.P8 Pyruvate oxidase
- 603.R4 Reduced nicotinamide adenine
 dinucleotide dehydrogenase
- 603.R52 Ribonucleoside diphosphate reductase
- 603.S9 Succinate dehydrogenase
- 603.S94 Superoxide dismutase
- 603.T78 Tryptophan oxygenase
- Tyraminase see QP603.M6
- Tyrosinase see QP603.P43
- 603.U7 Urate oxidase
- Uricase see QP603.U7
- Transferases
- 605 General works, treatises, and textbooks
- 606.A-Z Special, A-Z
- 606.A33 Acetyltransferases
- 606.A43 Aminotransferases
- 606.A8 Aspartate aminotransferase
- 606.C45 Choline acetylase
- 606.C73 Creatine kinase

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Enzymes

Hydrolases

Special, A-Z -- Continued

- 609.A88 Astacins
 609.B46 Beta lactamases
 609.C26 Calpain
 609.C3 Carboxypeptidase
 609.C35 Cathepsin
 609.C37 Cellulase
 609.C38 Cellulose 1,4-beta-cellobiosidase
 609.C39 Chitinase
 609.C4 Cholinesterase
 609.C45 Chymosin see QP609.R4
 609.C6 Chymotrypsin
 609.C64 Coagulase
 609.C64 Collagenase
 609.C64 Converting enzyme, Angiotensin see
 QP609.A53
 609.C92 Cyclic nucleotide phosphodiesterases
 609.C94 Cysteine proteinases
 609.D4 Deoxyribonucleases
 609.D48 Dextranase
 609.D52 Diastase see QP609.A45
 609.D54 Digestive enzymes
 609.D54 Dipeptidases
 609.D54 DNA restriction enzymes see QP609.R44
 609.E38 Elastases
 609.E4 Emulsin
 609.E44 Endonucleases
 609.E7 Erepsin
 609.E8 Esterases
 609.F7 Fructofuranosidase
 609.F7 Fructose diphosphatase see QP609.H5
 609.G3 Galactosidase
 609.G38 Glucose-6-phosphatase
 609.G4 Glucosidases
 609.G44 Glycoasparaginase
 609.G45 Glycosidases
 609.G83 Guanosine triphosphatase
 609.H5 Hexosediphosphatase
 609.H8 Hyaluronidase
 609.H8 Invertase see QP609.F7
 609.K3 Kallikrein

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Enzymes

Hydrolases

Special, A-Z -- Continued

Lactamases, Beta see QP609.B46

Lactase see QP609.G3

609.L43

Lecithinase

609.L5

Lipase

609.L55

Lipolytic enzymes

609.L9

Lysozyme

609.N48

Neutral proteinases

609.N78

Nucleases

609.N8

Nucleosidases

609.P3

Papain

609.P35

Paraoxonase

Pectinase see QP609.P6

609.P4

Pepsin

609.P45

Peptidases (Exopeptidases)

609.P5

Phosphatases

609.P52

Phosphatidate phosphatase

609.P53

Phosphodiesterase

609.P55

Phospholipase

609.P553

Phospholipase A2

609.P555

Phospholipase C

609.P56

Phosphoprotein phosphatases

609.P6

Polygalacturonase

Proteases see QP609.P78

609.P75

Proteinases (Endopeptidases)

609.P78

Proteolytic enzymes

609.P85

Pullulanase

609.R38

Renin

609.R4

Rennin

609.R44

Restriction enzymes, DNA

609.R49

Rho GTPases

609.R53

Ribonucleases

609.S47

Serine proteinases

609.S63

Sodium-potassium ATPase

609.S93

Subtilisins

609.S95

Sulphatases

Thrombin see QP93.5+

609.T7

Trypsin

Trypsinogen see QP609.T7

609.U7

Urease

Lyases

Animal biochemistry

Special substances

Organic substances

Proteins, amino acids, etc.

Enzymes

Lyases -- Continued

- 612 General works, treatises, and textbooks
- 613.A-Z Special, A-Z
- 613.A33 Adenylate cyclase
- 613.A4 Aldolases
- 613.A75 Aromatic amino acid decarboxylase
- 613.C37 Carbonate dehydratase see QP613.C37
- Carbonic anhydrase
- Carboxylase see QP613.P9
- 613.E56 Enolase
- 613.G8 Guanylate cyclase
- 613.O75 Ornithine decarboxylase
- Phosphopyruvate hydratase see QP613.E56
- 613.P9 Pyruvate decarboxylase

Isomerases

- 615 General works, treatises, and textbooks
- 616.A-Z Special, A-Z
- 616.D54 DNA helicases
- 616.D56 DNA topoisomerases
- 616.P46 Peptidyloprolyl isomerase
- 616.P76 Protein disulfide isomerase

Ligases

- 618 General works, treatises, and textbooks
- 619.A-Z Special, A-Z
- 619.D53 DNA ligases
- 619.G58 Glutamine synthetase
- 619.L9 Lysyl ribonucleic acid synthetase
- 619.P87 Pyruvate carboxylase

Nucleic acids

- 620 General works, treatises, and textbooks
- Ribonucleic acids
- 623 General works, treatises, and textbooks
- 623.5.A-Z Special, A-Z
- 623.5.A58 Antisense RNA
- 623.5.C36 Catalytic RNA
- 623.5.M47 Messenger RNA
- 623.5.T73 Transfer RNA
- RNA-ligand interactions
- 623.7 General works
- 623.8.A-Z Special ligands, A-Z
- 623.8.P75 Proteins
- Deoxyribonucleic acids

Animal biochemistry

Special substances

Organic substances

Nucleic acids

Deoxyribonucleic acids -- Continued

- 624 General works, treatises, and textbooks
- 624.5.A-Z Special topics, A-Z
 - 624.5.A57 Antisense DNA
 - 624.5.C57 Circular DNA
 - 624.5.D72 DNA fingerprinting
 - 624.5.D726 DNA microarrays
 - 624.5.D73 DNA probes
 - 624.5.M46 Methylation
 - 624.5.R33 Radiation effects
 - 624.5.R48 Replication
 - 624.5.S26 Satellite DNA
 - 624.5.S73 Stability
 - 624.5.S78 Structure
- DNA-ligand interactions
 - 624.74 General works, treatises, and textbooks
 - 624.75.A-Z Special ligands, A-Z
 - 624.75.D77 Drugs
 - 624.75.P74 Proteins
- 625.A-Z Other related substances, A-Z
 - 625.A25 Adenine nucleotides
 - 625.A27 Adenosine
 - 625.A29 Adenosine diphosphate ribose
 - 625.A3 Adenosinetriphosphate
 - 625.A35 Adenylic acid
 - 625.B76 Bromodeoxyuridine
 - 625.D56 Binucleoside polyphosphates
 - 625.I54 Inosine
 - 625.N34 NAD (Coenzyme)
 - 625.N8 Nuclein
 - 625.N86 Nucleohistones
 - 625.N87 Nucleoproteins
 - 625.N88 Nucleosides
 - 625.N89 Nucleotides
 - 625.O45 Oligoadenylates
 - 625.O47 Oligonucleotides
 - 625.P74 Pseudouridine
 - 625.P87 Purine nucleotides
 - 625.P96 Pyridine nucleotides
 - 625.T75 Triple-helix-forming oligonucleotides
- Toxins and antitoxins
 - Cf. QR180+ Immunology
 - Cf. RM278 Immunotherapy

Animal biochemistry

Special substances

Organic substances

Toxins and antitoxins -- Continued

- 631 General works, treatises, and textbooks
 632.A-Z Special, A-Z
 632.B3 Bacterial toxins
 632.B64 Bombesin
 632.B66 Botulinum toxin
 632.C87 Cyanobacterial toxins
 632.C9 Cytochalasins
 632.D54 Digitoxin
 632.E4 Endotoxins
 632.I57 Insect venoms
 632.M37 Marine toxins. Marine venoms
 632.M52 Microbial toxins
 632.M9 Mycotoxins
 632.P47 Pertussis toxin
 632.R43 Recombinant toxins
 632.S27 Saxitoxin
 632.S65 Snake toxins. Snake venoms
 632.T46 Tetrodotoxin
 632.T75 Trichothecenes
 632.V46 Venom
 Cf. QP632.I57 Insect venoms

Pigments

- 670 General works, treatises, and textbooks
 671.A-Z Special, A-Z
 671.B5 Bile pigments
 671.B55 Bilirubin
 671.C3 Carotenes. Carotin
 671.C35 Carotenoids. Carotinoids
 671.C45 Chlorophyll
 671.C78 Cytochrome b
 671.C8 Cytochrome c
 671.C83 Cytochrome P-450
 671.C85 Cytochromes
 671.F5 Flavins
 671.F52 Flavonoids
 671.H4 Hematoporphyrin
 671.H45 Heme
 671.I5 Iodopsin
 671.L52 Lipofuscins
 671.M44 Melanin
 671.P6 Porphyrins
 671.V5 Visual pigments
 671.X3 Xanthopterin

Animal biochemistry

Special substances

Organic substances -- Continued

Carbohydrates

| | |
|----------|---|
| 701 | General works, treatises, and textbooks |
| 702.A-Z | Special, A-Z |
| 702.A3 | Agar |
| 702.A35 | Aglucones |
| 702.A4 | Amino sugars |
| 702.A48 | Amyloses |
| 702.C5 | Chitin |
| 702.C55 | Chondroitin sulphate |
| 702.C8 | Cyclitols |
| 702.D38 | Deoxy sugars |
| 702.D4 | Deoxyribose |
| 702.F58 | Fluorocarbohydrates |
| 702.F68 | Fructans |
| 702.F7 | Fructose |
| 702.F73 | Fructose-2,6-bisphosphate |
| 702.G3 | Galactose |
| 702.G48 | Glucans |
| 702.G5 | Glucides |
| 702.G55 | Glucosamine |
| 702.G56 | Glucose |
| 702.G57 | Glucuronic acid |
| 702.G572 | Glucuronides |
| 702.G577 | Glycoconjugates |
| 702.G58 | Glycogen |
| 702.G59 | Glycosides |
| 702.H4 | Heparin |
| 702.H45 | Hexosamines |
| 702.H8 | Hyaluronic acid |
| | Inositol see QP772.I5 |
| 702.I5 | Inulin |
| 702.L3 | Lactose |
| 702.M8 | Mucopolysaccharides |
| 702.O44 | Oligosaccharides |
| 702.P4 | Pectins |
| 702.P45 | Pentoses |
| 702.P47 | Peptidoglycans |
| 702.P6 | Polysaccharides |
| 702.S28 | Saponins |
| 702.S6 | Sorbitol |
| 702.S75 | Starch |
| 702.S8 | Sucrose |
| 702.S85 | Sugars |
| 702.X87 | Xylans |

- Animal biochemistry
 - Special substances
 - Organic substances
 - Carbohydrates
 - Special, A-Z -- Continued
 - Xylitol
 - Xylose
 - Lipids
 - Cf. TP676 Chemical technology of animal fats and oils
 - Cf. TX553.L5 Lipids as a food constituent
 - General works, treatises, and textbooks
 - Special, A-Z
 - Acetic acid
 - Androstane
 - Arachidonic acid
 - Bile acids
 - Bile pigments see QP671.B5
 - Ceramides
 - Cerebrosides
 - Cholesterin see QP752.C5
 - Cholesterol
 - Cholesterol oxides
 - Cholic acid
 - Corticosteroids
 - Croton oil
 - Docosahexaenoc acid
 - Eicosanoids
 - Essential fatty acids
 - Fats
 - Fatty acids
 - Fish oils
 - Gangliosides
 - Glycerides
 - Glycerin see QP752.G55
 - Glycerol
 - Glycolipids
 - Glycosphingolipids
 - Isobutyric acid
 - Isopentenoids see QP752.T47
 - Isoprenoid compounds see QP752.T47
 - Lecithin
 - Linoleic acids
 - Linolenic acids
 - Lipoxins
 - Lysolecithin
 - Lysophospholipids acid

702.X89
702.X9

751
752.A-Z
752.A25
752.A5
752.A7
752.B54

752.C37
752.C4

752.C5
752.C53
752.C55
752.C6
752.C7
752.D63
752.E53
752.E84
752.F3
752.F35
752.F57
752.G3
752.G5

752.G55
752.G56
752.G58
752.I8

752.L4
752.L5
752.L515
752.L52
752.L8
752.L83

Animal biochemistry

Special substances

Organic substances

Lipids

Special, A-Z -- Continued

- 752.M45 Membrane lipids
 752.M9 Myelin
 752.O42 Olive oil
 752.O44 Omega-3 fatty acids
 752.O45 Omega-6 fatty acids
 752.O89 Oxysterols
 Phosphatides see QP752.P53
 752.P52 Phosphoinositides
 752.P53 Phospholipids
 752.P62 Platelet activating factor
 752.P65 Polyketides
 752.P69 Prostacyclin
 Prostaglandins see QP801.P68
 752.P7 Prostaglandin synthase
 752.P84 Pulmonary surfactant
 752.S37 Saturated fatty acids
 752.S6 Sphingolipids
 Steroid hormones see QP572.S7
 752.S7 Steroids
 752.S75 Sterols
 752.T47 Terpenes. Isopentenoids. Isoprenoid
 compounds
 752.T7 Tributyrin
 752.T74 Triglycerides
 752.W3 Waxes
- Vitamins
- 771 General works, treatises, and textbooks
 772.A-Z Special, A-Z
 Adermine see QP772.P9
 Aminobenzoic acids
 Aneurine see QP772.T5
 Antihemorrhage vitamin see QP772.V55
 Antipernicious anemia vitamin see QP772.C9
 Antirickets vitamin see QP772.V53
 Antiscorvy vitamin see QP772.A8
 Antisterility vitamin see QP772.T6
 Antixerophthalmia vitamin see QP772.V5
 772.A8 Ascorbic acid. Vitamin C
 772.B5 Bioflavonoids. Vitamin P
 772.B55 Biotin. Vitamin H
 772.C3 Carnitine. Vitamin BT
 772.C5 Choline

Animal biochemistry

Special substances

Organic substances

Vitamins

Special, A-Z -- Continued

- 772.C9 Cyanocobalamine. Vitamin B12
- 772.E74 Ergocalciferol. Vitamin D2
- 772.F37 Fat-soluble vitamins
- Folacin see QP772.F6
- 772.F6 Folic acid. Vitamin M
- 772.I5 Inositol
- Niacin see QP772.N55
- Niacin amide see QP772.N5
- 772.N5 Nicotinamide. Vitamin PP
- 772.N55 Nicotinic acid. Niacin
- Nicotinic acid amide see QP772.N5
- 772.P3 Pangamic acid. Vitamin B15
- 772.P35 Pantothenic acid. Vitamin B5
- Pellagra preventive factor see QP772.N5
- Pteroylglutamic acid see QP772.F6
- 772.P9 Pyridoxine. Vitamin B6
- Retinol see QP772.V5
- 772.R5 Riboflavin. Vitamin B2
- 772.T5 Thiamine. Vitamin B1
- 772.T54 Thioctic acid
- 772.T6 Tocopherol. Vitamin E
- 772.V5 Vitamin A
- 772.V52 Vitamin B complex
- Vitamin B1 see QP772.T5
- Vitamin B2 see QP772.R5
- Vitamin B5 see QP772.P35
- Vitamin B6 see QP772.P9
- Vitamin B12 see QP772.C9
- Vitamin B15 see QP772.P3
- Vitamin BT see QP772.C3
- Vitamin C see QP772.A8
- 772.V53 Vitamin D
- Vitamin D2 see QP772.E74
- Vitamin E see QP772.T6
- Vitamin G see QP772.R5
- Vitamin H see QP772.B55
- 772.V55 Vitamin K
- Vitamin M see QP772.F6
- Vitamin P see QP772.B5
- Vitamin PP see QP772.N5
- 801.A-Z Miscellaneous organic substances, A-Z
- 801.A25 Acetone

- Animal biochemistry
 - Special substances
 - Organic substances
 - Miscellaneous organic substances, A-Z --
 - Continued
 - 801.A26 Acids
 - 801.A3 Alcohol
 - 801.A33 Aldehydes
 - 801.A34 Alkaloids
 - 801.A35 Allantoin
 - 801.A48 Amines
 - 801.A63 Antibiotics
 - 801.A65 Antimetabolites
 - 801.A66 Antioxidants
 - 801.A67 Antivitamins
 - 801.A75 Aromatic compounds
 - 801.A84 Aspartame
 - 801.B5 Benzene
 - 801.B52 Benzimidazoles
 - 801.B53 Benzodiazepines
 - 801.B55 Betaines
 - 801.B66 Biogenic amines
 - 801.B69 Biopolymers
 - 801.C24 Caffeine
 - 801.C27 Cannabis
 - 801.C3 Carbolic acid
 - 801.C3115 Carbolines
 - 801.C312 Carboxylic acids
 - 801.C33 Catecholamines
 - 801.C4 Cerebrin
 - 801.C48 Chlorophenols
 - 801.C63 Citrates
 - 801.C65 Citric acid
 - Coca see QP801.C68
 - 801.C68 Cocaine
 - 801.C69 Colchicine
 - 801.C7 Colicins
 - 801.C75 Complex compounds
 - 801.C8 Creatine
 - 801.C83 Crown ethers
 - 801.C86 Cyclic adenylic acid
 - Cynurenic acid see QP801.K8
 - 801.F45 Flavor components
 - 801.F5 Fluorine organic compounds
 - 801.F67 Formaldehyde
 - 801.F87 Furylbenzimidazole
 - 801.G47 Germanium organic compounds

Animal biochemistry
Special substances
Organic substances
Miscellaneous organic substances, A-Z --

Continued

- 801.G57 Glutaric acid
801.G63 Glycolic acid
(801.G74) Growth factors
see QP552.G76
801.G8 Guanidine
801.G83 Guanidino compounds
801.H34 Halogen organic compounds
801.H45 Hippuric acid
801.H5 Histamine
801.H78 Hydrazines
801.H9 Hydrocarbons
801.I4 Indican (metabolic product)
801.I43 Indocyanine green
801.I45 Indole
Inositol see QP772.I5
801.I48 Insecticides
Interleukins see QR185.8.I56
801.I55 Ionophores
(801.I76) Isoprenoid compounds
see QP752.T47
801.K4 Ketones
801.K8 Kynurenic acid
801.L3 Lactic acid
Leucomaines see QP801.P7
801.L47 Leukotrienes
801.L53 Lignans
801.L97 Lysergic acid diethylamide
Macromolecules see QP801.P64
Marijuana see QP801.C27
801.M37 Mercapto compounds. Thiols
801.M42 Methoxyhydroxyphenylglycol
801.M425 Methylxanthines
801.M43 Metiamide
801.M45 Mevalonic acid
Milk, Human see QP246
801.N44 Neopterin
801.N48 Nicotine
801.N55 Nitrogen organic compounds

Animal biochemistry

Special substances

Organic substances

Miscellaneous organic substances, A-Z --

Continued

Organo ...

For compounds with names beginning

"Organo..." the Cutter number is

determined by the element or substance

following this prefix

| | |
|----------|------------------------------------|
| 801.O74 | Orotic acid |
| 801.O8 | Oxalic acid |
| 801.P28 | Pantethine |
| 801.P36 | Penicillin |
| 801.P374 | Pentoxifylline |
| 801.P38 | Pesticides |
| 801.P39 | Phenethylamines |
| 801.P4 | Phenols |
| 801.P56 | Phosphonic acids |
| 801.P63 | Phosphorus organic compounds |
| 801.P634 | Phytic acid |
| 801.P636 | Phytochemicals |
| 801.P638 | Polyamines |
| 801.P639 | Polycyclic aromatic hydrocarbons |
| 801.P64 | Polymers. Macromolecules |
| 801.P643 | Polyurethanes |
| 801.P654 | PQQ |
| 801.P68 | Prostaglandins |
| 801.P686 | Psoralens |
| 801.P69 | Pteridines |
| 801.P7 | Ptomaines. Leucomaines |
| 801.P8 | Purines |
| 801.P85 | Pyrimidines |
| 801.P855 | Pyrrolizidines |
| 801.P86 | Pyruvic acid |
| 801.Q5 | Quinones |
| 801.R4 | Reductones |
| 801.R47 | Retinoids |
| 801.S4 | Serotonin |
| 801.S44 | Shikimic acid |
| 801.S47 | Sialic acid |
| 801.S79 | Succinic acid |
| 801.S85 | Sulphonic acids |
| 801.T3 | Taurine |
| | Tetrahydrocannabinol see QP801.C27 |
| 801.T4 | Thiocyanates |
| | Thiols see QP801.M37 |

Animal biochemistry

Special substances

Organic substances

Miscellaneous organic substances, A-Z --

Continued

801.T57

Tobacco

801.T6

Tolylenediamine

801.U24

Ubiquinones

801.U7

Urea

Vitamins see QP771+

Xenobiotics

801.X45

(901-981)

Experimental pharmacology

The Library of Congress has not classed new material on experimental pharmacology in these numbers since approximately 1981.

For works on the physiological effects of chemical substances on the animal body see QP501+

For works on experimental toxicology see RA1199+

For works on experimental pharmacology in general see RM301.25

(911-981)

Individual chemical substances

see QP525+ for the physiological effects of individual chemical substances on the animal body

For works on the physiological effects of drugs on the human body see RM300+

- Microbiology
- 1 Periodicals, societies, congresses, serial publications
- 6 Collected works (nonserial)
- 9 Dictionaries and encyclopedias
- 11 Terminology, notation, abbreviations
- 12 Classification. Nomenclature
Cf. QR81 Bacteria
Cf. QR394 Viruses
- 13 Evolution
- History
- 21 General works
- 22.A-Z By region or country, A-Z
- Biography
- 30 Collective
- 31.A-Z Individual, A-Z
e.g.
31.F5 Fleming, Alexander
31.K6 Koch, Robert
Pasteur, Louis see Q143.P2
- General works, treatises, and textbooks
- 41 Through 1969
- 41.2 1970-
- By discipline
- 46 Medical microbiology
Cf. QR67+ Diagnostic technique
Cf. QR171.A1+ Microorganisms in the animal body
Cf. RC109+ Infections and parasitic diseases
- 46.5 Pharmaceutical microbiology
- 47 Dental microbiology
Cf. RK325 Oral sepsis
- 48 Sanitary microbiology
Cf. QR105+ Aquatic microbiology
Cf. TD1+ Sanitary engineering
Veterinary microbiology see SF780.2
- 51 Agricultural microbiology
Cf. QR111+ Soil microbiology
Cf. QR121 Dairy microbiology
Cf. QR351 Microorganisms of plant diseases
Geomicrobiology see QR103
Industrial microbiology
Cf. QR115+ Food microbiology
Cf. QR135+ Microbial degradation
Cf. QR151+ Microorganisms of fermentation
Cf. TP248.27.M53 Microbial biotechnology
- 53 General works, treatises, and textbooks

By discipline

Industrial microbiology -- Continued

53.5.A-Z

By industry or products, etc., A-Z

53.5.A44

Alloys

53.5.C73

Coal

53.5.C76

Cosmetics

53.5.P48

Petroleum

54

Pictorial works and atlases

56

Popular works

57

Juvenile works

58

Addresses, essays, lectures

60

Special aspects of the subject as a whole

Study and teaching. Research

61

General works

61.5

Problems, exercises, examinations

61.7

Experiments

62

Outlines, syllabi

63

Laboratory manuals

Laboratories

Cf. R108 Medical laboratories

64.A1

General works

64.A3-Z

By region or country, A-Z

Subarrange each country by Table Q6

64.5

Culture collections

64.7

Safety measures

64.8

Quality control

Technique

65

General works

Culture technique

66

General works

66.3

Culture media

66.4

Continuous culture

Diagnostic technique

67

General works

67.2

Diagnostic bacteriology

Microscope technique

Cf. QH201+ Microscopy

68

General works

68.5.A-Z

Special, A-Z

68.5.E45

Electron microscopy

69.A-Z

Special topics, A-Z

69.A56

Anti-infective agent testing

69.A57

Antibiotic testing

Antiinfective agent testing see QR69.A56

69.A88

Automation

69.B53

Bioluminescence assay

69.C3

Cataphoresis

- Technique
 Special topics, A-Z -- Continued
- 69.C79 Cryopreservation
 - 69.D35 Data processing
 - 69.D48 Disintegration
 - 69.D54 DNA probes
 - 69.E43 Electric impedance measurement
 - 69.E58 Enzyme-linked immunosorbent assay
 - 69.F56 Flow cytometry
 - 69.F7 Freeze-drying. Drying
 - 69.G27 Gas chromatography
 - 69.H54 High performance liquid chromatography
 - 69.M33 Mass spectrometry
 - 69.M48 Microbiological assay
 - 69.M5 Micrurgy
 - 69.N83 Nuclear magnetic resonance spectroscopy
 - 69.P6 Population counts
 - 69.S7 Staining
 - 69.S75 Sterilization
 - 69.V53 Viability counts
 - 71 Laboratory equipment
 - 72 Statistical methods
 - 72.5 Handbooks, manuals, etc.
 - Microbial genetics see QH434
 - 73 Diversity and variation
 - Cf. QR392 Virus variation
 - 73.4 Development
 - 73.5 Differentiation
 - 73.6 Aggregation
 - 73.7 Cell cycle
 - 73.8 Microbial populations
 - 74 Molecular microbiology
 - 74.5 Protista
 - Cf. QK564+ Algae
 - Cf. QK600+ Fungi
 - Cf. QK635.A1+ Slime molds
 - Cf. QL366+ Protozoa
 - Bacteria
 - 74.8 General works
 - Morphology. Ultrastructure
 - 75 General works
 - 75.3 Size
 - 75.5 Shape
 - 76 Protoplasm
 - 76.3 Protoplasts
 - 76.5 Nuclear materials
 - 76.6 Plasmids

Bacteria

Morphology. Ultrastructure -- Continued

- 76.7 Pigments
- 77 Cell membranes
- Cell walls
- 77.3 General works
- 77.35 Cell surfaces
- 77.5 Capsules. Slime layers
- 78 Flagella
- 78.5 Pili
- 79 Spores
- 79.5 Colonies
- 80 Terminology, notation, abbreviations
- 81 Classification. Nomenclature
- 81.5 Catalogs and collections
- 81.7 Evolution
- 82.A-Z Systematic divisions. By family or higher taxa,
A-Z
Class individual genera under the family.
For unassigned genera and species see QR82.Z9
For bacteria of specific diseases see QR201.A+
- 82.A3 Achromatiaceae
- 82.A35 Actinomycetaceae
- 82.A355 Actinoplanaceae
- 82.A69 Archaeobacteria
- 82.A9 Azotobacteraceae
- 82.B3 Bacillaceae
- 82.B35 Bacteroidaceae
- 82.B4 Beggiatoaceae
- 82.B95 Brucellaceae
- 82.C35 Chlamydiaceae
- 82.C4 Chlorobiaceae
- 82.C45 Chromatiaceae
- 82.C6 Corynebacteriaceae
- 82.C88 Cystobacteraceae
- 82.C9 Cytophagaceae
- 82.D4 Dermatophilaceae
- 82.E6 Enterobacteriaceae
- 82.F7 Frankiaceae
- 82.L3 Lactobacillaceae
- 82.L4 Leucotrichaceae
- 82.M4 Methylomonadaceae
- 82.M5 Micrococcaceae
- 82.M55 Micromonosporaceae
- 82.M8 Mycobacteriaceae
- 82.M95 Myxococcaceae
- 82.N4 Neisseriaceae

Systematic divisions. By family or higher taxa,
A-Z -- Continued

- 82.N5 Nitrobacteraceae
- 82.N6 Nocardiaceae
- 82.P44 Pelonemataceae
- 82.P45 Peloplocaceae
- 82.P47 Peptococcaceae
- 82.P6 Polyangiaceae
- 82.P7 Propionibacteriaceae
- 82.P78 Pseudomonadaceae
- 82.R45 Rhizobiaceae
- 82.R46 Rhodospirillaceae
- 82.R47 Rhodospirillales
- 82.S5 Simonsiellaceae
- 82.S6 Spirillaceae
- 82.S7 Spirochaetaceae
- 82.S78 Streptococcaceae
- 82.S8 Streptomycetaceae
- 82.T7 Treponemataceae
- 82.V4 Veillonellaceae
- 82.V53 Vibrionaceae
- 82.Z9 Genera and species as yet unassigned (not A-Z)
- 84 Physiology
 - General works
 - Growth
 - Cf. QR66+ Culture technique
- 84.5 General works
- 84.7 Psychrophilic bacteria
- 84.8 Thermophilic bacteria
- 86 Nutrition
- 86.5 Reproduction
- Metabolism
 - 88 General works
 - 88.2 Autotrophy
 - 88.3 Biosynthesis
 - 88.4 Methyloctrophy
 - 88.5 Photosynthesis
 - Cf. QK882 Plant physiology
- 88.7 Chemoautotrophy
- Respiration
 - 89 General works
 - 89.5 Anaerobic
 - 89.7 Nitrogen fixation
 - Cf. TP245.N8 Chemical engineering
- 90 Enzymes
- 92.A-Z Other substances, A-Z
 - 92.A3 Acetic acid

Bacteria

Physiology

Metabolism

Other substances, A-Z -- Continued

| | |
|--------|--|
| 92.A49 | Alkanes |
| 92.A6 | Amino acids |
| 92.B3 | Bacteriocins |
| 92.B7 | Branched chain amino acids |
| 92.C27 | Calcium |
| 92.C3 | Carbohydrates |
| 92.C33 | Carbon dioxide |
| 92.C55 | Chlorinated aromatic compounds |
| 92.C57 | Citric acid |
| 92.C74 | Creatine |
| 92.D45 | Deoxyribonucleic acid. DNA |
| | DNA see QR92.D45 |
| 92.F3 | Fatty acids |
| 92.F87 | Furans |
| 92.G35 | Galactose |
| 92.G5 | Glucose |
| 92.H6 | Hormones |
| 92.H8 | Hydrogen |
| 92.I4 | Immunoglobulin-binding proteins |
| 92.I7 | Iron |
| 92.L5 | Lipids |
| 92.M45 | Metals |
| 92.M46 | Methane |
| 92.M47 | Methyl groups |
| 92.M5 | Minerals |
| 92.N5 | Nicotinic acid |
| 92.N6 | Nitrogen |
| 92.N8 | Nucleic acids |
| 92.N82 | Nucleotides |
| | Oxygen see QR89+ |
| 92.P37 | Peptides |
| 92.P39 | Peptidoglycans |
| 92.P4 | Phenols |
| 92.P45 | Phosphates |
| 92.P58 | Poly-beta-hydroxyalkanoates |
| 92.P59 | Polymers |
| 92.P6 | Polysaccharides |
| 92.P7 | Propionic acid |
| | Protein A, Staphylococcal see QR92.S68 |
| 92.P75 | Proteins |
| 92.P87 | Purines |
| 92.S3 | Salts |
| 92.S53 | Siderophores |

Bacteria

Physiology

Metabolism

Other substances, A-Z -- Continued

- 92.S68 Staphylococcal protein A
- 92.S7 Steroids
- 92.S79 Sugars
- 92.S8 Sulphur
- 92.V5 Vitamins
- 92.X35 Xanthan gum
- 93 Anhydrobiosis
- 94 Heat production
- 95 Light production
- 96 Motility. Irritability
- 96.5 Interaction. Communication
- 96.8 Adhesion
- Environmental factors
- 97.A1 General works
- 97.A2-Z By factor, A-Z
- 97.A3 Acidity. Alkalinity. Hydrogen-ion concentration
- Alkalinity see QR97.A3
- 97.A57 Anti-infective agents
- 97.A58 Antibiotics
- 97.B32 Bactericides
- 97.C3 Carbon dioxide
- 97.C5 Chemicals
- 97.E5 Electrolytes
- 97.H4 Heat
- Hydrogen-ion concentration see QR97.A3
- 97.L5 Light
- (97.M6) Moisture
- see QR97.W37
- 97.O8 Oxygen
- 97.P47 Pesticides
- 97.P7 Pressure
- 97.R3 Radiation
- 97.S3 Salinity
- 97.T4 Temperature
- Cf. QR84.7 Psychophilic bacteria
- Cf. QR84.8 Thermophilic bacteria
- 97.W37 Water. Moisture
- 97.X46 Xenobiotics

Bacteria -- Continued

Antibiosis

Cf. QP801.A63 Biochemistry of antibiotics

Cf. QR69.A57 Testing

Cf. QR175 Virulence

Cf. RM265+ Antibiotic therapy

Cf. RM666.A+ Pharmacology of individual antibiotic drugs

Cf. RS431.A6 Pharmaceutical chemistry of antibiotics

99 General works

99.5 Resistance

Cyanobacteria

99.6 Periodicals, societies, serial collections

99.62 Congresses

99.63 General works, treatises, and textbooks

99.64 Pictorial works and atlases

99.65 Popular works

99.66 Juvenile works

99.67 Classification. Nomenclature

99.69.A-Z Special topics, A-Z

99.69.B55 Blooms

Cyanobacterial blooms see QR99.69.B55

99.7.A-Z Systematic divisions. By family, A-Z

99.7.E57 Entophysalidaceae

99.7.N67 Nostocaceae

99.7.O82 Oscillatoriaceae

99.7.S39 Scytonemataceae

99.7.S85 Stigonemataceae

99.8.A-Z By region or country, A-Z

Microbial ecology

100 General works, treatises, and textbooks

100.8.A-Z By type of relationship, A-Z

100.8.B55 Biofilms

100.8.C65 Competition

100.8.M37 Mats

100.8.S9 Symbiosis

By type of environment

100.9 Extreme environments (General)

101 Air and dust

103 Geomicrobiology. Microbial effect on geological processes

Water. Aquatic microbiology

105 General works

105.5 Freshwater

Cf. TD384 Water supply analysis

Seawater. Marine microbiology

- Microbial ecology
 - By type of environment
 - Water. Aquatic microbiology
 - Seawater. Marine microbiology -- Continued
 - 106 General works
 - 106.5 Hydrothermal vents
 - 107 Hot springs. Calderas
 - Soil
 - Including soil fungi
 - Cf. QK604.2.M92 Mycorrhizal fungi
 - 111 General works
 - 113 Root nodules
 - Cf. S652 Soil inoculation
 - Foods
 - Cf. TP371.2+ Preservation in food processing
 - Cf. TX599+ Food preservation in the home
 - 115 General works
 - 116 Eggs
 - 117 Meat
 - 118 Fish. Shellfish
 - 119 Breads. Cereals
 - 121 Dairy products
 - Cf. SF253 Milk analysis
 - 123 Canned foods
 - 129.A-Z Other food products, A-Z
 - 129.B44 Beer
 - 129.C6 Corn oil
 - 129.F7 Fruit juice
 - 129.S8 Sugar
 - 129.T65 Tomatoes
 - 130 Space microbiology
 - Pathogenic fungi see QR245+
 - Microbial degradation
 - 135 General works
 - 135.5.A-Z Special substances, A-Z
 - 135.5.M37 Metals
 - 148 Microbiological chemistry
 - Cf. QK861+ Plant biochemistry
 - Cf. QP501+ Animal biochemistry
 - Cf. QR88.3 Bacterial biosynthesis
 - Cf. QR467 Biochemistry of viruses
 - Microorganisms of fermentation. Yeasts, etc.
 - Including diseases of wine and beer
 - Cf. TP371.44 Preserving food by fermentation
 - Cf. TP568+ Brewing
 - 151 General works

- Microorganisms of fermentation. Yeasts, etc. --
Continued
- (155) Yeasts and yeastlike fungi in the body
see QR171
- 160 Microorganisms of cellulose and other plant
products
- Microorganisms in the animal body
Cf. QR201.A+ Pathogenic microorganisms
Cf. QR245+ Pathogenic fungi
Cf. QR301+ Pathogenic fungi
- 171.A1 General works, treatises, and textbooks
171.A2-Z By organ or system, etc., A-Z
171.A43 Alimentary canal
171.B5 Blood
171.E9 Eye
171.F4 Feces. Manure
171.F45 Female generative organs
171.G29 Gastrointestinal system
171.G4 Generative organs
Generative organs, Female see QR171.F45
171.G47 Germplasm
171.I6 Intestines
171.L8 Lungs
Manure see QR171.F4
Mouth see QR47
171.N3 Nasopharyngeal system
171.R85 Rumen
171.S5 Skin
171.S8 Stomach
Teeth see QR47
171.U7 Urinary system
- 175 Virulence. Pathogenic action in general
Cf. QP631+ Toxins (Animal biochemistry)
- 177 Drug resistance
Immunology
Cf. QL362.85 Invertebrates
Cf. QL638.97 Fishes
Cf. QP252.5 Reproductive immunology
Cf. QP356.47 Neuroimmunology
Cf. RA638 Public health
Cf. RC581+ Immunologic diseases
Cf. RG557 Obstetrics
Cf. RM270+ Immunotherapy
Cf. RM370+ Immunopharmacology
Cf. SF757.2+ Veterinary immunology
- 180 Periodicals, societies, serial publications
180.2 Collected works (nonserial)

Immunology – Continued

- 180.3 Congresses
- 180.4 Dictionaries and encyclopedias
- Biography
 - 180.7 Collective
 - 180.72.A-Z Individual, A-Z
- 181 General works, treatises, and textbooks
- 181.5 Addresses, essays, lectures
- 181.7 Popular works
- 181.8 Juvenile works
- 182 Special aspects of the subject as a whole
- 182.2.A-Z Special topics, A-Z
 - 182.2.A54 Animal models
 - Including specific animal models
 - 182.2.C65 Computer simulation
 - 182.2.E94 Evolution
 - 182.2.I46 Immunoinformatics
 - 182.2.M36 Mathematical models
 - 182.2.N86 Nutritional aspects
 - Space flight see RC1151.I45
 - 182.2.S7 Statistical methods
- Study and teaching. Research
 - 182.5 General works
 - 182.55 Outlines, syllabi
 - 182.6 Problems, exercises, examinations
- Laboratory methods
 - For specific tests see QR187.A2+
- 183 General works
- 183.2 Tracers
- 183.5 Immunotechnology
- 183.6 Immunochemistry
 - Cf. QR187.I45 Immunocytochemistry
- 183.8 Immunotaxonomy
- Immunogenetics
 - 184 General works
 - 184.2 Human immunogenetics
 - Histocompatibility. H-2 locus
 - 184.3 General works
 - 184.315 Major histocompatibility complex
 - 184.32 HLA antigens
 - Minor histocompatibility antigens
 - 184.34 General works
 - 184.35 H-Y antigen
 - Ir genes. Ia antigens
 - 184.4
- 184.5 Developmental immunology
- 184.6 Phylogeny of the immune system
- Types of immunity

Immunology

Types of immunity -- Continued

- 185.2 Natural
- Acquired
- 185.3 General works
- 185.33 Maternally acquired immunity
- 185.35 Immunologic memory
- 185.4 Humoral
- 185.5 Cellular
- 185.6 Molecular aspects. Molecular immunology
- Immune structures
- 185.7 General works
- 185.8.A-Z By type, A-Z
- Antibody-drug conjugates see RS201.A56
- 185.8.A58 Antibody-toxin conjugates
- 185.8.A59 Antigen presenting cells
- 185.8.B15 B cells
- 185.8.B54 Biological response modifiers
- 185.8.C45 Chemokines
- 185.8.C6 Complement
- Cf. QR187.C6 Complement fixation
- 185.8.C95 Cytokines
- 185.8.D45 Dendritic cells
- 185.8.E58 Eosinophils
- Cf. QP95.3 Physiology
- 185.8.F33 Fc receptors
- 185.8.G4 Germinal centers
- 185.8.G73 Granulocytes
- Cf. QP95.4 Physiology
- 185.8.H93 Hybridomas
- Cf. QH451 Cell fusion
- 185.8.I45 Immune complexes
- 185.8.I56 Interleukins
- Including interleukin-1, interleukin-2,
etc.
- 185.8.K54 Killer cells
- 185.8.L35 Langerhans cells
- 185.8.L48 Leucocytes
- Cf. QP95+ Physiology
- 185.8.L49 Leukolysins
- 185.8.L9 Lymphocytes
- 185.8.L93 Lymphokines
- 185.8.M3 Macrophages
- 185.8.M35 Mast cells
- 185.8.M36 Mathematical models
- 185.8.N47 Neutrophils

Immunology

Immune structures

By type, A-Z

- 185.8.O7 Opsonin
Cf. QR187.P4 Phagocytosis
- 185.8.P45 Phagocytes
Cf. QR187.P4 Phagocytosis
- 185.8.P58 Platelets
Cf. QP97+ Physiology
- 185.8.S65 Spleen
- 185.8.S96 Suppressor cells
- 185.8.T2 T cells
- 185.8.T24 Th cells
- Thrombocytes see QR185.8.P58
- 185.8.T48 Thymus
- 185.8.T67 Transfer factor
Cf. RM282.T7 Therapeutic use
- 185.8.T7 Trophoblast
- 185.8.T84 Tumor necrosis factor
- 185.9.A-Z By organ or system, etc., A-Z
- 185.9.G37 Gastrointestinal system
- 185.9.L58 Liver
- 185.9.M83 Mucous membrane
- 185.95 Immune recognition

Immune response

Class here works on the mechanism of immune response in humans or laboratory animals

For works on the immunology of specific animals or groups of animals, other than laboratory animals, see the systematic divisions in QL. For works on the immune response to particular diseases or parasites, see the disease or parasite in R or SF

186

General works

186.3

Idiotypic networks

Antigens

186.5

General works

186.6.A-Z

By type, A-Z

186.6.B33

Bacterial antigens

Blood group antigens see QP98

186.6.C37

Carbohydrates

186.6.C42

CD antigens

Including CD23 antigen, CD26 antigen, etc.

186.6.C44

Cell surface antigens

186.6.F85

Fungal antigens

186.6.G73

Granulocyte antigens

Immunology

Antigens

By type, A-Z -- Continued

H-Y antigen see QR184.35

Haptens

Heat shock proteins

Histocompatibility antigens see QR184.3+

HLA antigens see QR184.32

Lysozyme

Parasite antigens

Proteins

Spermatozoa

Superantigens

Synthetic antigens

Thy-1 antigen

Tissue-specific antigens

Toxins

Toxoids

Tumor antigens see QR188.6

Viral antigens

Antibodies. Immunoglobulins

General works

By type, A-Z

IgA. Immunoglobulin A

IgD. Immunoglobulin D

IgE. Immunoglobulin E

IgG. Immunoglobulin G

IgM. Immunoglobulin M

Autoantibodies

General works

By type, A-Z

Phospholipid antibodies

Rheumatoid factor

Monoclonal antibodies

Cf. RM282.M65 Therapeutic use

Recombinant antibodies

Specificity

Antigen-antibody reactions

Class tests with type of reaction

General works, treatises, and textbooks

By type, A-Z

Agglutination

Autolysis

Bacteriolysis

Chemiluminescence immunoassay

Complement fixation

Conglutination

186.6.H3
186.6.H42186.6.L94
186.6.P38
186.6.P76
186.6.S64
186.6.S94
186.6.S95
186.6.T48
186.6.T57
186.6.T6
186.6.T65

186.6.V57

186.7
186.8.A-Z
186.8.A2
186.8.D2
186.8.E2
186.8.G2
186.8.M2186.82
186.83.A-Z
186.83.P48
186.83.R48
186.85186.87
186.9187.A1
187.A2-Z
187.A3
187.A8
187.B3
187.C48
187.C6
187.C65

Immunology

- Antigen-antibody reactions
 - By type, A-Z -- Continued
 - 187.D3 Danysz phenomenon
 - 187.F58 Fluorescent antigen technique
 - 187.H38 Hemagglutination tests
 - 187.H4 Hemolysis
 - 187.H45 Hemolytic plaque technique
 - 187.H57 Histocompatibility testing
 - 187.I44 Immunoabsorption
 - 187.I45 Immunocytochemistry
 - 187.I46 Immunodiffusion
 - 187.I47 Immunoelectrophoresis
 - 187.I48 Immunofluorescence
 - 187.I482 Immunogold labeling
 - 187.I486 Immunophenotyping
 - 187.L47 Leucocyte adherence inhibition test
 - 187.P4 Phagocytosis
 - 187.P7 Precipitation
 - 187.S4 Sedimentation
 - 187.3 Adjuvants
 - 187.4 Chemotaxis
 - 187.5 Interferons
 - 188 Hypersensitivity. Allergy
 - Cf. RC583+ Diseases
 - 188.3 Autoimmunity
 - For autoantibodies see QR186.82+
 - Cf. RC600 Autoimmune diseases
 - 188.35 Immunodeficiency
 - Cf. RC606+ Medicine
 - Cf. RJ387.D42 Pediatrics
 - 188.4 Tolerance
 - Immunosuppression
 - 188.45 General works
 - 188.46 Virus-induced immunosuppression
 - 188.5 Radiation immunology
 - 188.6 Tumor immunology
 - Cf. RC268.3 Immunological aspects
 - 188.8 Transplantation immunology
 - Cf. QP89 Physiology of the tissues
 - Cf. RD120.6+ Surgery
 - Vaccines
 - Cf. RA638 Vaccination in public health
 - Cf. RM281 Vaccinotherapy
- 189 General works, treatises, and textbooks
- 189.2 Synthetic vaccines
- 189.5.A-Z By disease or type, A-Z

Immunology

Vaccines

By disease or type, A-Z -- Continued

- 189.5.A33 AIDS (Disease)
- 189.5.A56 Anti-idiotypic
- 189.5.B33 Bacterial diseases
- 189.5.D53 BGC vaccine see QR189.5.T72
- 189.5.E5 DNA vaccines
- 189.5.E53 Encephalitis
- 189.5.H46 Enterobacterial vaccines
- 189.5.H48 Hepatitis
- 189.5.I5 Herpesvirus disease
- 189.5.M34 Influenza
- 189.5.M4 Malaria
- 189.5.N48 Measles
- 189.5.P36 Newcastle disease
- 189.5.P46 Papillomavirus
- 189.5.P54 Pertussis
- 189.5.P58 Pleuropneumonia
- 189.5.P6 Pneumococcal infections
- 189.5.P76 Poliomyelitis
- 189.5.R3 Protozoan diseases
- 189.5.R8 Rabies
- 189.5.S48 Rubella
- 189.5.S6 Sexually transmitted diseases
- 189.5.T7 Smallpox
- 189.5.T72 Tuberculosis
- 189.5.T9 General works
- 189.5.V5 BCG vaccine
- 201.A-Z Typhoid
- 201.A16 Virus diseases
- 201.A2 Pathogenic microorganisms. By disease, A-Z
- 201.A27 Acinetobacter infections
- 201.A3 Actinomycosis
- 201.A35 Adenovirus diseases
- 201.A37 Adiaspiromycosis
- 201.A55 African swine fever
- 201.A57 AIDS (Disease). HIV infections
- 201.A6 Amebiasis
- 201.A72 Anaerobic infections
- 201.A74 Anthrax
- 201.A85 Arbovirus infections
- 201.B318 Arenavirus diseases
- 201.B32 Aspergillosis
- 201.B34 Babesiosis
- Bacteremia
- Bacterial diseases

Pathogenic microorganisms. By disease, A-Z --

Continued

| | |
|-----------|--|
| 201.B37 | Bartonella infections |
| 201.B55 | Blastomycosis |
| 201.B66 | Borna disease |
| | Borreliosis see QR201.R45 |
| 201.B7 | Botulism |
| 201.B74 | Bovine spongiform encephalopathy |
| 201.B8 | Brucellosis. Undulant fever |
| 201.C25 | Campylobacter infections |
| (201.C26) | Campylobacter pylori infections
see QR201.H44 |
| | Cancer see QR201.T84 |
| 201.C27 | Candidiasis |
| 201.C29 | Chagas' disease |
| 201.C47 | Chlamydia infections |
| 201.C5 | Cholera |
| 201.C54 | Clostridium diseases |
| 201.C58 | Coccidioidomycosis |
| 201.C59 | Coccidiosis |
| 201.C6 | Conjunctivitis |
| 201.C65 | Coxsackievirus infections |
| 201.C9 | Cystitis |
| 201.C94 | Cytomegalovirus infections |
| 201.D4 | Diarrhea |
| | Diarrhea, Viral see QR201.V53 |
| 201.D5 | Diphtheria |
| 201.D6 | Diphtheroid organisms |
| 201.D9 | Dysentery. Bacillary dysentery |
| 201.E16 | Ebola virus disease |
| 201.E2 | Edema, Malignant |
| 201.E45 | Erlchiosis |
| 201.E6 | Endocarditis, Bacterial |
| 201.E64 | Enterococcal infections |
| 201.E75 | Epstein-Barr virus diseases |
| 201.E82 | Escherichia coli infections |
| 201.F6 | Food poisoning
Cf. QR201.B7 Botulism |
| 201.F62 | Foodborne diseases |
| 201.F63 | Foot-and-mouth disease |
| 201.G45 | Giardiasis |
| 201.G5 | Glanders |
| 201.G7 | Gonorrhea |
| 201.G76 | Gram-positive bacterial infections |
| 201.H24 | Hantavirus infections |
| 201.H44 | Helicobacter pylori infections |
| 201.H46 | Hepatitis, Viral |

Pathogenic microorganisms. By disease, A-Z --
Continued

| | |
|----------|-------------------------------------|
| 201.H48 | Herpesvirus infections |
| | HIV infections see QR201.A37 |
| 201.H7 | Hog cholera |
| 201.H86 | HTLV infections |
| 201.I6 | Influenza |
| | Jaundice see QR201.L6 |
| 201.L44 | Legionnaires' disease |
| 201.L5 | Leprosy |
| 201.L6 | Leptospirosis. Jaundice |
| 201.L64 | Leukemia |
| 201.L7 | Listeriosis |
| 201.L88 | Lyme disease |
| 201.L9 | Lymphocytic choriomeningitis |
| 201.M3 | Malaria |
| | Malignant edema see QR201.E2 |
| 201.M4 | Mastitis |
| 201.M43 | Measles |
| 201.M6 | Meningitis |
| 201.M73 | Microsporidiosis |
| 201.M96 | Mycobacterial diseases |
| 201.M97 | Mycoplasma diseases |
| 201.M98 | Mycotoxicoses |
| 201.N4 | Necrosis |
| 201.N45 | Neisseria infections |
| 201.N5 | Newcastle disease |
| 201.O6 | Oidiomycosis |
| 201.O8 | Osteomyelitis |
| 201.P26 | Papillomavirus diseases |
| 201.P27 | Parasitic diseases |
| 201.P28 | Paratuberculosis |
| 201.P3 | Paratyphoid fever |
| 201.P33 | Parvovirus infections |
| 201.P4 | Peritonitis |
| 201.P45 | Picornavirus infections |
| 201.P5 | Plague |
| 201.P7 | Pneumococcal pneumonia |
| 201.P73 | Poliomyelitis |
| 201.P733 | Porphyromonas gingivalis infections |
| 201.P737 | Prion diseases |
| 201.P74 | Pseudomonas aeruginosa infections |
| 201.P75 | Pseudotuberculosis |
| 201.P8 | Psittacosis |
| 201.Q2 | Q fever |
| 201.R3 | Rabies |
| 201.R45 | Relapsing fever. Borreliosis |

Pathogenic microorganisms. By disease, A-Z --

Continued

- 201.R47 Retrovirus infections
 201.R5 Rheumatic fever
 201.R53 Rheumatism
 201.R59 Rickettsial diseases
 Rocky Mountain spotted fever see QR201.S65
 201.R67 Rotavirus infections
 201.S25 Salmonellosis
 201.S27 Sarcocystosis
 201.S3 Scarletina
 201.S35 Schistosomiasis
 201.S47 Serratia diseases
 201.S55 Shigellosis
 201.S6 Smallpox
 201.S65 Spotted fever, Rocky Mountain
 201.S68 Staphylococcal infections
 201.S7 Streptococcus infections
 201.S9 Syphilis
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For particular fungi see QK621+

Cf. RC117.A+ Mycotic diseases

Cf. SB733 Fungus diseases of plants

Cf. SF780.7 Veterinary mycology

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Cf. QR201.P27 Parasitic diseases

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- Cf. SF780.4 Veterinary virology
- Cf. TD427.V55 Viral pollution of water
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| | |
|------|-------------------------|
| .A2 | Ac Actinium |
| .A3 | Ag Silver (Argentum) |
| | Alabamine see Q1 .A8 |
| .A4 | Al Aluminum |
| .A5 | Am Americium |
| | Antimony see Q1 .S3 |
| | Argentum see Q1 .A3 |
| .A6 | Ar Argon |
| .A7 | As Arsenic |
| .A8 | At Astatine (Alabamine) |
| .A9 | Au Gold (Aurum) |
| .B1 | B Boron |
| .B2 | Ba Barium |
| .B4 | Be Beryllium (Glucinum) |
| .B5 | Bi Bismuth |
| .B55 | Bk Berkelium |
| .B7 | Br Bromine |
| .C1 | C Carbon |
| .C2 | Ca Calcium |
| .C3 | Cd Cadmium |
| | Cassiopeium see Q1 .L8 |
| | Celtium see Q1 .H5 |
| .C4 | Ce Cerium |
| .C45 | Cf Californium |
| .C5 | Cl Chlorine |
| .C55 | Cm Curium |
| .C6 | Co Cobalt |
| .C7 | Cr Chromium |
| .C8 | Cs Cesium |
| | Columbium see Q1 .N3 |
| .C9 | Cu Copper (Cuprum) |
| | Didymium see Q1 .N4 |
| .D8 | Dy Dysprosium |
| .E6 | Er Erbium |
| .E7 | Es Einsteinium |
| .E8 | Eu Europium |
| .F1 | F Fluorine |
| .F4 | Fe Iron (Ferrum) |
| .F5 | Fm Fermium |
| | Ferrum see Q1 .F4 |
| .F7 | Fr Francium |
| .G2 | Ga Gallium |
| .G4 | Gd Gadolinium |
| .G5 | Ge Germanium |
| | Glucinum see Q1 .B4 |
| | Gold see Q1 .A9 |
| .H1 | H Hydrogen |

| | |
|------|---------------------------|
| .H4 | He Helium |
| .H5 | Hf Hafnium (Celtium) |
| .H6 | Hg Mercury (Hydrargyrum) |
| .H7 | Ho Holmium |
| | Hydrargyrum see Q1 .H6 |
| .I1 | I Iodine |
| | Illinium see Q1 .P5 |
| .I5 | In Indium |
| .I7 | Ir Iridium |
| | Iron see Q1 .F4 |
| .K1 | K Potassium (Kalium) |
| .K6 | Kr Krypton |
| .L2 | La Lanthanum |
| | Lead see Q1 .P3 |
| .L5 | Li Lithium |
| .L8 | Lu Lutetium (Cassiopeium) |
| .L9 | Lw Lawrencium |
| .M3 | Md Mendeleevium |
| .M4 | Mg Magnesium |
| .M6 | Mn Manganese |
| | Mercury see Q1 .H6 |
| .M7 | Mo Molybdenum |
| | Natrium see Q1 .N2 |
| .N1 | N Nitrogen |
| .N2 | Na Sodium (Natrium) |
| .N3 | Nb Niobium (Columbium) |
| .N4 | Nd Neodymium (Didymium) |
| .N5 | Ne Neon |
| .N6 | Ni Nickel |
| | Niton see Q1 .R6 |
| .N65 | No Nobelium |
| .N7 | Np Neptunium |
| .O1 | O Oxygen |
| .O7 | Os Osmium |
| .P1 | P Phosphorus |
| .P2 | Pa Protactinium |
| .P3 | Pb Lead (Plumbum) |
| .P4 | Pd Palladium |
| | Plumbum see Q1 .P3 |
| .P5 | Pm Promethium (Illinium) |
| .P6 | Po Polonium |
| | Potassium see Q1 .K1 |
| .P7 | Pr Praseodymium |
| .P8 | Pt Platinum |
| .P9 | Pu Plutonium |
| .R1 | Ra Radium |
| .R3 | Rb Rubidium |

| | |
|------|-----------------------|
| .R4 | Re Rhenium |
| .R5 | Rh Rhodium |
| .R6 | Rn Radon (Niton) |
| .R9 | Ru Ruthenium |
| .S1 | S Sulphur |
| .S3 | Sb Antimony (Stibium) |
| .S4 | Sc Scandium |
| .S5 | Se Selenium |
| .S6 | Si Silicon |
| | Silver see Q1 .A3 |
| .S65 | Sm Samarium |
| .S7 | Sn Tin (Stannum) |
| | Sodium see Q1 .N2 |
| | Stannum see Q1 .S7 |
| | Stibium see Q1 .S3 |
| .S8 | Sr Strontium |
| .T2 | Ta Tantalum |
| .T3 | Tb Terbium |
| .T35 | Tc Technetium |
| .T4 | Te Tellurium |
| .T5 | Th Thorium |
| | Tin see Q1 .S7 |
| .T6 | Ti Titanium |
| .T7 | Tl Thallium |
| .T8 | Tm Thulium |
| | Tungsten see Q1 .W1 |
| .U7 | U Uranium |
| .V2 | V Vanadium |
| .W1 | W Tungsten (Wolfram) |
| .X4 | Xe Xenon |
| .Y1 | Y Yttrium |
| .Y3 | Yb Ytterbium |
| .Z6 | Zn Zinc |
| .Z7 | Zr Zirconium |

| | |
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| .x3 | Effect of particles |
| .x4 | Moments. Resonance. Spin. Symmetry |
| .x5 | Capture. Decay. Lifetime |
| .x6 | Charge. Density. Mass |
| .x7 | Energy spectra. Radiation |
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 - Zoomastigia: QL368.A12
 - Zoophyta
 - Coelenterata: QL379
 - Zooplankton: QL123
 - Freshwater: QL143
 - Zopfiaceae: QK623.Z64
 - Zoraptera
 - Zoology: QL515.5
 - Zoropsidae: QL458.42.Z67
 - Zosteraceae: QK495.Z7
 - Zosteropidae: QL696.P298
 - Zygaenidae: QL561.Z9
 - Zygnemataceae: QK569.Z8
 - Zygnematales: QK569.Z82
 - Zygophyllaceae: QK495.Z9
 - Zythiaceae: QK625.Z9

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